

## APPENDIX B VIBRACORE AND BOREHOLE LOGS

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-10190

Start/End Date: 06/02/2010 - 06/03/2010

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

Northing: 1118031.439

**Drilling Company: Atlantic Testing** 

Total Depth: 92.0 Ft

Easting: 923732.274

**Driller: Mark Childs** 

Water Elev: 362.61 Ft

Mud Line: 360.06 Ft

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 2.55 Ft

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratum
0			1-WH-WH-1	0		SOLW	Wet, very soft, light gray-white, silt-like grains, some sand-like grains, mothball odor.	2SS-140H	
5 —			1-1-WH-WH	1		SOLW	Wet, very loose, gray, sand-like grains, some silt-like grains, trace cementations, mothball odor.	2SS-140H	
10 +			WR-WR-WR	0		SOLW	Wet, very soft, white-green-gray, silt-like grains, mothball odor.	2SS-140H	Solvay Waste
<u></u>									
15 —			WR-WR-WR	0		SOLW	Wet, very soft, green with lighter banding, silt-like grains, mothball odor.	2SS-140H	
20 ⊥	. L	L l	L	L		L	L	<b>L</b>	L

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-10190

Start/End Date: 06/02/2010 - 06/03/2010

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Northing: 1118031.439 Easting: 923732.274

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**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 2.55 Ft

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratum
20			WR-WR-WR	0		SOLW	Wet, very soft, gray, silt-like grains, mothball odor.	2SS-140H	
25 —			WR-WR-WR-WR	0		SOLW	Wet, very soft, white-tan, silt-like grains, mothball odor.	2SS-140H	
									Solvay Waste
30 +			WH-WH-WH	0		SOLW	Wet, very soft, white-tan grading to green, silt-like grains, mothball odor.	2SS-140H	
35 +			WH-WH-WH	0		ML	Wet, very soft, green-brown, SILT, some clay, slightly plastic, sulfur-like odor. Note: CHange in drilling and color of return at 33 ft.	2SS-140H	
									Marl
40 <del>*</del>	L	L l	L	L		L	L	<u> </u>	L

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Easting: 923732.274 Mud Line: 360.06 Ft

**Driller: Mark Childs** 

Depth Units: Ft

**Borehole Logging Company: Parsons** 

Borehole Geologist: S. Dillman Rig Type: Drill Barge Surface Water Depth: 2.55 Ft

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	8	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratum
40			WH-WH-WH-WH	0		ML	Wet, very soft, green-brown, SILT, some clay, low plasticity, sulfur-like odor.	2SS-140H	
							GUS Sample: 24 inches recovery	Shelby	Marl
45 —			WR-WR-WR	0		ML/CL	Wet, very soft, green-gray, SILT and Clay. varved 18 to 24 inches.	2SS-140H	
50 —			WR-WR-WR	0		CL/ML	Wet, very soft, red-brown-gray, CLAY and Silt, medium plasticity.	2SS-140H	
							GUS Sample: 24 inches recovery	Shelby	Clay and Sil
55 +			WR-WR-WR-WR	0		CL/ML	Wet, very soft, red-brown-gray, CLAY, some silt, medium plasticity.	2SS-140H	

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**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 2.55 Ft

Depth	Recov	Sample	Blow	N	PID	USCS	Soil Description	Sample	Ctrotu
Ft	ď	ID	Count	Value	(ppm)	Code		Method	Stratui
60		T 1	WR-WR-WR	0		CL	Wet, very soft, red-brown, CLAY, little silt, medium plasticity.	2SS-140H	
							GUS Sample: 24 inches recovery	Shelby	
65 —			WR-WR-WR-WR	0		CL	Wet, very soft, red-brown, CLAY, thin silt lens 18 to 24 inches, medium plasticity.	2SS-140H	- Clay
70 +			WH-WH-WH-WH	0		CL/ML	0 to 4 inches -Wet, very soft, red-brown, CLAY, medium plasticity. 4 to 6 inches -wet, very soft, brown, SILT. 6 to 14 inches -wet, very soft, brown, SILT and Clay.	2SS-140H	
							GUS Sample: 22 inches recovery	Shelby	
									0:14
75 +			WR-WH-1-2	1		ML	Wet, very soft, brown, SILT, dilatent.	2SS-140H	Silt
Ī									
Ť									
80 上	L	L l	L	L				L	L

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**Driller: Mark Childs** 

Water Elev: 362.61 Ft

Mud Line: 360.06 Ft

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 2.55 Ft

Borehole Geologist: S. Dillman Rig Type: Drill Barge

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Rec	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratun
80			1-1-2-3	3		ML	Wet, soft, brown, SILT, little fine sand, dilatent.	2SS-140H	
							GUS Sample: 23 inches recovery	Shelby	
85 —			WR-WR-WR	0		ML	Wet, soft, light brown, SILT, trace clay, cohesive.	2SS-140H	- Silt
- - -									
90 —			45-64-61-87	125		GC	Wet, dense, green, weathered shale. Note: increased drilling resistance at 88.5 ft.	2SS-140H	Bedrock
92.0 <sup>_</sup>			Note: N	III fielde in	lianta DID	roading not	Halian		

Note: Null fields indicate PID reading not taken

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-10191

Start/End Date: 06/09/2010 - 06/11/2010

Weather: Low 60s, Winds ESE 10 mph, cloudy, chance rain

Northing: 1116990.200

Easting: 925734.281

Mud Line: 359.27 Ft

Surface Water Depth: 4 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: S. Dillman Rig Type: Drill Barge

Total Depth: 110.0 Ft

Water Elev: 363.27 Ft

Depth 3	Sample	Blow	N	PID	USCS	On il Demonination	Sample	044
	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
-		WH-WH-WH	0		SOLW	Wet, very soft, white, silt-like grains, some cementations at 6 inches and 24 inches, mothball odor.	2SS-140H	
5 +		WH-WH-WH	0		SOLW	Wet, very soft, white, silt-like grains, little sand-like grains, trace cementations, mothball odor.	2SS-140H	
-								
10 +		WH-WH-WH	0		SOLW	Wet, very soft, white, silt-like grains, little concretions in top 1 inch, mothball odor.	2SS-140H	Solvay W
15		WR-WR-WR	0		SOLW	Wet, very soft, white grading to green grading to dark gray, silt-like grains, mothball odor.	2SS-140H	
-		WR-WR-WR	0		SOLW	Wet, very soft, white, silt-like grains, black grading to gray lens in 19 to 23 inches, mothball odor.	2SS-140H	

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Honeywell

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Northing: 1116990.200 Easting: 925734.281 **Drilling Company: Atlantic Testing** 

Total Depth: 110.0 Ft

Easury. 923734.201

**Driller: Mark Childs** 

Water Elev: 363.27 Ft

Mud Line: 359.27 Ft

Borehole Logging Company: Parsons

Depth Units: Ft

Surface Water Depth: 4 Ft

Depth	Recov	Sample	Blow	N	PID	USCS	0.110	Sample	
Ft	A.	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
25			WH-1-WH-WH WR-WR-WR-WR	0		SOLW	Wet, very soft, white, silt-like grains, 3 icnh cemented lens at top of sample, mothball odor.  Wet, very soft, white, silt-like grains, mothball odor.	2SS-140H	
35 -			WR-WR-WR	0		SOLW	Wet, very soft, white, silt-like grains, mothball odor.	2SS-140H	
10			WH-WH-WH	0		ML	Wet, very soft, dark green-brown, SILT, trace shells, some dark gray-black staining, slight sulfur-like odor. Note: Drilling change at 35.5 ft.	2SS-140H	Marl

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Honeywell

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Total Depth: 110.0 Ft

Mud Line: 359.27 Ft

Driller: Mark Childs

Water Elev: 363.27 Ft

Widd Lille. 558.27 Tt

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 4 Ft

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratum
40									
45 +			WR-WR-WR	0		ML	Wet, very soft, green-brown, SILT, little clay, trace shells, some dark gray-black staining, sulfur-like odor.	2SS-140H	
+									
50 +			WR-WR-WR	0		ML	Wet, very soft, green-brown, SILT, little to some clay, trace shells, some gray-black staining, sulfur-like odor.  GUS Sample: 24 inches recovery	2SS-140H	- Marl
-							GUS Sample. 24 inches recovery	Shelby	
55 +			WR-WR-WR	0		ML	Wet, very soft, green-gray and dark gray mottling, SILT, some clay, trace shell fragments and burrows, slight sulfur-like odor.	2SS-140H	
+			WR-WR-WR	0		ML	Wet, very soft, green-gray and dark gray mottling, SILT, some clay, trace shell fragments and burrows, slight sulfur-like odor.	2SS-140H	
60									L

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Total Depth: 110.0 Ft

Mud Line: 359.27 Ft

**Driller: Mark Childs** 

Water Elev: 363.27 Ft

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 4 Ft Borehole Geologist: S. Dillman Rig Type: Drill Barge

Depth	8	Sample	Blow	N	PID	USCS		Sample	1_
Ft	Recov	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
60		17					GUS Sample: 23 inches recovery	Shelby	Marl
				0		ML/CL	Wet, very soft, dark gray=black and tan varving, SILT and Clay.	200 4400	
65			WR-WR-WR			WIL/CL		2SS-140H	_
-									
+			WR-WR-WR	0		ML/CL	Wet, very soft, dark gray-black and tan varving, SILT and Clay.	2SS-140H	_
70 +							GUS Sample: 24 inches recovery	Shelby	Silt and (
			WR-WR-WR	0		ML/CL	Wet, very soft, dark gray-black and tan varving, SILT and Clay, medium plasticity.	2SS-140H	
75 +									_
							Wet, very soft, dark gray-black and tan varving, SILT and Clay, medium plasticity.		
80 1			WR-WR-WR	0		ML/CL	ISIL1 and Clay, medium plasticity.	2SS-140H	

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Total Depth: 110.0 Ft

Easting: 925734.281

**Driller: Mark Childs** 

Water Elev: 363.27 Ft

Mud Line: 359.27 Ft

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 4 Ft

Depth	~	nple	Blow	N	PID	USCS	0.10	Sample	I
	ية ا	D	Count	Value	(ppm)	Code	Soil Description	Method	Stratun
80							GUS Sample: 24 inches recovery	Shelby	
85			WR-WR-WR	0		CL	Wet, very soft, dark green-gray, CLAY, some silt, medium plasticity, clay content increasing with depth.	2SS-140H	
-									
90 +			WR-WR-WR	0		CL	Wet, very soft, dark green-gray with tan lenses, CLAY, some silt, some burrows, medium plasticity.  GUS Sample: 24 inches recovery	2SS-140H	Silt and Clay
-							See cample. 2 monet receiver	Shelby	
95 —			WR-WR-WR	0		CL	Wet, very soft, green-gray with dark gray thin lenses, CLAY.	2SS-140H	
100			WR-WR-WR	0		CL	Wet, very soft, green-gray with dark gray thin lenses, CLAY.	2SS-140H	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

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Weather: Low 60s, Winds ESE 10 mph, cloudy, chance rain

Northing: 1116990.200 Easting: 925734.281

**Drilling Company: Atlantic Testing** 

Total Depth: 110.0 Ft Water Elev: 363.27 Ft

Mud Line: 359.27 Ft

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 4 Ft

Borehole Geologist: S. Dillman Rig Type: Drill Barge

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratum
100							GUS Sample: 23 inches recovery	Shelby	
	2 1								
			WR-WR-WR	0		ML	Wet, very soft, SILT, some grading to little clay, trace fine sand, dilatent.	2SS-140H	
105									- Silt
-									
			WR-WR-WR	0		ML	Wet, very soft, tan, SILT, little clay, dilatent.	2SS-140H	
110. <del>0</del>				<u> </u>		reading not			

Note: Null fields indicate PID reading not taken

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-20210

Start/End Date: 06/21/2010 - 06/23/2010

Weather: Low 80, sun&clouds, Winds W-NW 5-10mph

Northing: 1120165.727

Easting: 921156.554

Mud Line: 357.69 Ft Surface Water Depth: 5 Ft **Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 78.0 Ft Water Elev: 362.69 Ft

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	_
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
0			WH-WH-WH	0		ML	Wet, very soft, black, SILT, trace organic material.	2SS-140H	
									Silt
5 +			WH-WH-WH	0		SOLW	Wet, very soft, dark gray-white, silt-like grains and sand-like grains, mothball odor.	2SS-140H	
						SOLW	GUS Sample : 24 inches recovery	Shelby	
10 —			WH-WH-WH	0		SOLW	Wet, very soft, light gray-white, silt-like grains, trace sand-like grains, mothball odor.	2SS-140H	
						SOLW	GUS Sample : 24 inches recovery	Shelby	Solvay W
15 —			WH-WH-WH	0		SOLW	Wet, very soft, green-gray-white, silt-like grains, some sand-like grains in bottom 1 inch, mothball odor.	2SS-140H	
20	L			L				1	L

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-20210

Start/End Date: 06/21/2010 - 06/23/2010

Weather: Low 80, sun&clouds, Winds W-NW 5-10mph

Northing: 1120165.727

Easting: 921156.554

Mud Line: 357.69 Ft

Surface Water Depth: 5 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 78.0 Ft Water Elev: 362.69 Ft

Depth Units: Ft Sample

Depth	Recov	Sample	Blow	N	PID	USCS	Soil Description	Sample Method	Stratu
Ft 20	α.	ID	Count	Value	(ppm)	Code	Con Description	Method	Otrata
20			WH-WH-WH	0		SOLW	Wet, very soft, light to dark green, silt-like grains, mothball odor.	2SS-140H	Solvay W
25 —									ooivay vu
-	1		WH-WH-WH	0	o II so	ML	Wet, very soft, brown, SILT, little clay, trace shells, sulfur-like odor.	2SS-140H	
30 +						ML	GUS Sample : 24 inches recovery	Shelby	
			WH-WH-WH-WH	0		ML/CL	Wet, very soft, gray, SILT and Clay, trace coarse sand, trace shells.	2SS-140H	Mar
35 —									
+			WH-WH-WH	0		ML/CL	Wet, very soft, gray, SILT and Clay.	2SS-140H	
_							GUS Sample : 24 inches recovery	Shelby	Cla

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Northing: 1120165.727

Easting: 921156.554

Surface Water Depth: 5 Ft

Mud Line: 357.69 Ft

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

**Drilling Company: Atlantic Testing** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 78.0 Ft

Water Elev: 362.69 Ft

Depth	ó	Sample	Blow	N	PID	USCS		Sample	
Ft	Recov	ID	Count	Value	2 22 3	Code	Soil Description	Method	Stratu
40			72.430.00		di Fressy				
7							Wet, very soft, dark gray, CLAY, some silt.		-
			WH-WH-WH-WH	0		CL		2SS-140H	
45 —									
45							Wet, very soft, dark gray-brown, CLAY, some silt.		Clay
- <del>-</del>			WH-WH-WH	0		CL	vvet, very soit, dark gray-brown, CLAY, some siit.	2SS-140H	
						CL	GUS Sample : 24 inches recovery	Shelby	
50 +									_
+			WH-WH-WH	0		ML/CL	Wet, very soft, medium brown, SILT and Clay, trace fine sand.	2SS-140H	
55 🕇									Silt and C
			WH-WH-WH	0		CL	Wet, very soft, medium brown, CLAY, some silt.	2SS-140H	
†						CL	GUS Sample : 24 inches recovery	Shelby	-

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Surface Water Depth: 5 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 78.0 Ft

Water Elev: 362.69 Ft

	ater Deptil.					alges Rig Type. Dilli Balge		
Depth S	Sample	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratun
60	11							
		WH-WH-WH-WH	0		CL	Wet, very soft, brown, CLAY, trace silt.	2SS-140H	
65								Silt and Cla
00				) )1   1   0		Wet, very soft, brown, CLAY, trace silt.		
-		WH-WH-WH	0		CL	vvet, very soit, brown, obart, trace sile.	2SS-140H	
		L -			CL	GUS Sample : 23 inches recovery	Shelby	
70 +								
		14-13-11-10	24		SM	Wet, medium dense, red-brown, fine to coarse SAND and Silt, some fine to coarse gravel in bottom 6 inches.	2SS-140H	Sand and S
75 +								
		100/2.5	100		Till	Wet, hard, red-brown, weathered rock, trace fine to coarse sand, trace fine gravel.	2SS-140H	Till
78.0 L		Note: N	l ull fields in	l dicate PID	reading not	 taken	1	<u> </u>

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-20211

Start/End Date: 06/14/2010 - 06/16/2010

Weather: Mid 70s, cloudy w/showers, Winds NW10-20mph

Northing: 1118994.121 Easting: 922573.897 **Drilling Company: Atlantic Testing** 

Total Depth: 77.0 Ft

Mud Line: 341.58 Ft

**Driller: Mark Childs** 

Water Elev: 362.58 Ft

Surface Water Depth: 21 Ft

Borehole Logging Company: Parsons

Depth Units: Ft

Depth	Recov	Sample	Blow	N	PID	USCS	Soil Description	Sample	Stratur
Ft	2	ID	Count	Value	(ppm)	Code	4	Method	Stratui
0			WR-WR-WR	0		ML	Wet, very soft, brown with black staining, SILT, little fine sand, petroleum-like odor, sheen.	2SS-140H	
5 +			WR-WR-WR	0		ML	Wet, very soft, gray with black staining, SILT, petroleum-like odor, pin point sheens throughout.	2SS-140H	Silt
10 —			WR-WR-WR	0		ML	0 to 8 inches -Wet, very soft, gray with black staining, SILT, petroluem -like odor. 8 to 16 inches -wet, very soft, green-tan, SILT, trace shells.	2SS-140H	
15			WR-WR-WR	0		ML	Wet, very soft, green, SILT, trace clay, trace shells, sulfur-like odor.	2SS-140H	Mar
1									

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Site: Onondaga Lake (Syracuse NY)

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Weather: Mid 70s, cloudy w/showers, Winds NW10-20mph

Northing: 1118994.121 Easting: 922573.897

Mud Line: 341.58 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Surface Water Depth: 21 Ft Borehole Geologist: S. Dillman Rig Type: Drill Barge

Total Depth: 77.0 Ft

Water Elev: 362.58 Ft Depth Units: Ft

Depth Ft	1	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratun
20				WR-WR-WR	0	(PPIII)	ML	Wet, very soft, green, SILT, trace to little clay, trace shells, sulfur-like odor, clay content increasing with depth.	2SS-140H	
25 -				WR-WR-WR	0		ML/CL	Wet, very soft, green-gray, SILT, some clay, trace organics (peat), slight sulfur-like odor.	2SS-140H	
										Marl
30 -				WR-WR-1-1	1		ML	Wet, very soft, tan, SILT, some fine sand, little to clay, clay contetn decreasing with depth, dilatent.	2SS-140H	
+										
35	-			WR-WR-WR	0		ML/CL	Wet, very soft, tan-brown, SILT, some clay, cohesive.	2SS-140H	
†	-							GUS Sample: 24 inches recovery	Shelby	Silt and Cla
40	·								1	<u> </u> 

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-20211

Start/End Date: 06/14/2010 - 06/16/2010

Weather: Mid 70s, cloudy w/showers, Winds NW10-20mph

Northing: 1118994.121 Easting: 922573.897 **Drilling Company: Atlantic Testing** 

Total Depth: 77.0 Ft Water Elev: 362.58 Ft

Mud Line: 341.58 Ft

Driller: Mark Childs
Borehole Logging Company: Parsons

Depth Units: Ft

Surface Water Depth: 21 Ft

Depth Ft	Recov	Sample ID	Blow	N	PID	USCS	Soil Description	Sample Method	Stratun
10 I	Ľ	טו	Count	Value	(ppm)	Code	Wet, very soft, tan-brown, CLAY, little silt, cohesive.	Method	-
.0			WR-WR-WR	0		CL	vec, very sort, tair-brown, out it, made sitt, correstor.	2SS-140H	_
15 —	M	Ť	WR-WR-WR	0		CL	Wet, very soft, tan-brown, CLAY, little silt, 1/8 inch lens coarse sand, medium plasticity.	2SS-140H	
+		4					GUS Sample: 24 inches recovery		
İ								Shelby	Silt and Clay
50 +							Wet, very soft, tan-brown, CLAY, little silt, medium		
			WR-WR-WR	0		CL	plasticity.	2SS-140H	
55 +									
			WR-WR-WR	0		CL/ML	Wet, very soft, tan-brown, CLAY, some silt lenses throughout.	2SS-140H	
†							GUS Sample: no recovery	Shelby	Cilk and Can
+							GUS Sample: 22 inches recovery	Shelby	Silt and San

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-20211

Start/End Date: 06/14/2010 - 06/16/2010

Weather: Mid 70s, cloudy w/showers, Winds NW10-20mph

Northing: 1118994.121

Easting: 922573.897

Mud Line: 341.58 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: S. Dillman Rig Type: Drill Barge Surface Water Depth: 21 Ft

Total Depth: 77.0 Ft Water Elev: 362.58 Ft

Depth	Recov	Sample	Blow	N	PID	USCS	Coil Decemention	Sample	C44
Ft	Z.	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratur
60							GUS Sample: 22 inches recovery	Shelby	
			WR-1-3-2	4		ML	Wet, soft, tan-brown, SILT, little fine sand, dilatent, sand content increasing with depth.	2SS-140H	
65 +									
05			WH-WH-2-4	2		ML	Wet, very soft, tan-brown, SILT, little to some clay, dilatent, clay lenses throughout.	2SS-140H	
									Silt and S
70 +							Wet, soft, tan-brown, SILT, some fine sand, dilatent.		-
+			4-2-2-4	4		ML/SM		2SS-140H	
†									
7.5									
75 +			WR-WR-WR	0		ML/SM	Wet, very soft, tan-brown, SILT and fine Sand, dilatent.	2SS-140H	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-20218

Start/End Date: 06/17/2010 - 06/18/2010

Weather: Low 70s, mostly cloudy, Winds NW 5-10mph

Northing: 1119576.381 Easting: 921478.930 **Drilling Company: Atlantic Testing** 

Total Depth: 57.0 Ft Water Elev: 362.64 Ft

Mud Line: 360.64 Ft

Driller: Mark Childs

vvaler Elev. 302.04 F

Surface Water Depth: 2 Ft

Borehole Logging Company: Parsons

Depth Units: Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratur
0			WH-WH-WH	0		SM	Wet, very loose, black, fine to coarse SAND, slight petroluem-like odor.	2SS-140H	
			1-WH-WH-1	0		SM	Wet, loose, gray, fine to corase SAND and Silt, some cemented chunks throughout, trace shells, sulfur-like odor. Note: Additional sample collected from adjacent borehole for material description due to poor recovery.	2SS-140H	
							GUS Sample: 23 inches recovery	Shelby	
5							Name	Shelby	
+			WH-WH-WH-WH				No recovery	2SS-140H	
			WH-WH-WH	0		ML/SM	Wet, very soft, light gray, SILT, fine to coarse SAND, cemented chunks throughout, trace shells, sulfur-like odor. Note: Additional sample collected from adjacent borehole for material description due to poor recovery.	2SS-140H	- Marl
10 +			WH-WH-WH				No recovery	2SS-140H	•
†	/						GUS Sample: 24 inches recovery	Shelby	
15 +			3-2-2-1	4		SM	Wet, loose, light gray-brown, medium to fine SAND, some silt in bottom of sample.	2SS-140H	
<u> </u>			WH-WH-1-WH	1		CL	Wet, very soft, brown, CLAY, trace fine sand.	2SS-140H	
+							GUS Sample: 24 inches recovery		Silt and C
								Shelby	
20 上 「									L

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-20218

Start/End Date: 06/17/2010 - 06/18/2010

Weather: Low 70s, mostly cloudy, Winds NW 5-10mph

Northing: 1119576.381 Easting: 921478.930 **Drilling Company: Atlantic Testing** 

Total Depth: 57.0 Ft

Mud Line: 360.64 Ft

Driller: Mark Childs

Water Elev: 362.64 Ft

IVIUG LINE. 300.04 Ft

Borehole Logging Company: Parsons

Depth Units: Ft

Surface Water Depth: 2 Ft Borehole Geologist: A. Menges Rig Type: Drill Barge

	Ö	Sample	Blow	N	PID	USCS	O-II Danasistica	Sample	044
Ft	Recov	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratur
20			wн-wн-wн	0		CL/ML	Wet, very soft, brown, CLAY and Silt.	2SS-140H	
25 —			WH-WH-WH	0		CL/ML	Wet, very soft, brown, CLAY and Silt.	2SS-140H	
÷							GUS Sample: 22 inches recovery		
				111	,			Shelby	-
30			WH-1-WH-1	1		ML	Wet, very soft, brown, SILT, some clay, trace fine sand.	2SS-140H	Silt and C
35 —							Wet, very soft, SILT and Clay, trace fine sand.		
+			2-WH-WH-WH	0		ML		2SS-140H	
†							GUS Sample: 22 inches recovery	Shelby	
40 ± F									

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-20218

Start/End Date: 06/17/2010 - 06/18/2010

Weather: Low 70s, mostly cloudy, Winds NW 5-10mph

Northing: 1119576.381 Easting: 921478.930

**Drilling Company: Atlantic Testing** 

Total Depth: 57.0 Ft Water Elev: 362.64 Ft

Mud Line: 360.64 Ft

**Driller: Mark Childs** 

Surface Water Depth: 2 Ft

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratun
40			WH-WH-2-2	2	(PP)	ML	Wet, very soft, brown, SILT, little find sand, trace clay.	2SS-140H	
45 —			1-1-1-1	2	1 10	ML	Wet, very soft, brown, SILT, little fine sand, trace clay.	2SS-140H	Silt and Sa
50 —							Wet, very soft, brown, SILT, trace fine sand, trace		
			WH-WH-WH	0		ML	clay.	2SS-140H	
55 +			3-4-4-5	8		SM	Wet, loose, brown, medium to fine SAND, some silt, trace clay.	2SS-140H	Sand

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-30171

Start/End Date: 06/28/2010 - 06/30/2010

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124681.167

Easting: 918598.775

Surface Water Depth: 23 Ft

Mud Line: 339.53 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 99.0 Ft Water Elev: 362.53 Ft

Water Elev: 362.53 Fi

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
0			WH-WH-WH	0		SOLW	Wet, very soft, white-green, silt-like grains, mothball odor.	2SS-140H	
			1-WH-1-WH	1		SOLW	Wet, very soft, white-green, silt-like grains, some cemented crust in bottom 4 inches, mothball odor.	2SS-140H	
5 +									Solvay Wa
10 —			WH-WH-WH	0		SOLW	Wet, very soft, white-light gray, silt-like grains, trace sand-like grains, mothball odor.	2SS-140H	
15 —			WH-WH-WH-WH	0		SOLW	Wet, very soft, white, silt-like grains, mothball odor.	2SS-140H	
							No December		
							No Recovery	2SS-140H	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-30171

Start/End Date: 06/28/2010 - 06/30/2010

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124681.167

**Drilling Company: Atlantic Testing** 

**Borehole Logging Company: Parsons** 

Total Depth: 99.0 Ft

Easting: 918598.775 Mud Line: 339.53 Ft Driller: Mark Childs

Water Elev: 362.53 Ft Depth Units: Ft

Surface Water Depth: 23 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

PID USCS Depth Sample Blow N Sample Soil Description Stratum ID Count Value Code Method Ft (ppm) 20 No Recovery 2SS-140H Wet, very soft, light gray, CLAY, trace silt, some organic material, moderate plasticity WH-WH-WH-WH 0 CL 2SS-140H 25 GUS Sample: 24 inches recovery CL Shelby Wet, very soft, dark gray, CLAY, trace shells, medium plasticity, sulfur-like odor. 0 CL 2SS-140H WH-WH-WH-WH 30 Marl Wet, very soft, dark gray, CLAY, trace shells, medium plasticity, sulfur-like odor. CL 2SS-140H WH-WH-WH-WH 35 GUS Sample: 24 inches recovery CL Shelby Wet, very soft, gray, CLAY, slight sulfur-like CL 0 WH-WH-WH-WH 2SS-140H 40

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-30171

Start/End Date: 06/28/2010 - 06/30/2010

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124681.167

Easting: 918598.775

Surface Water Depth: 23 Ft

Mud Line: 339.53 Ft

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

**Drilling Company: Atlantic Testing** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 99.0 Ft

Water Elev: 362.53 Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratu
40		15	Count	value	(ррии)	Ouc		Wictiod	
							Wet, very soft, gray, CLAY and Silt, slight sulfur-like		Mar
			WH-WH-WH-WH	0		CL/ML	odor.	2SS-140H	
45		1					GUS Sample: 1 inch recovery		
-						CL/ML		Shelby	
+							GUS Sample: 24 inches recovery		
Ŧ						CL/ML		Shelby	
					1 - 1		Wet, very soft, light-dark gray, CLAY and Silt.		-
50 —			WH-WH-WH	0		CL/ML		2SS-140H	
									Silt and (
+		]					Wet, very soft, dark gray, CLAY, some silt.		
55 —			WH-WH-WH	0		CL	wet, very soit, dark gray, OLAT, some sit.	2SS-140H	
†							GUS Sample: 24 inches recovery		
						CL	, , , , , , , , , , , , , , , , , , , ,	Shelby	Clay
†			WH-WH-WH	0		CL/ML	Wet, very soft, dark gray with dark brown varving, CLAY and Silt.	2SS-140H	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-30171

Start/End Date: 06/28/2010 - 06/30/2010

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124681.167

Easting: 918598.775

Mud Line: 339.53 Ft

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

**Drilling Company: Atlantic Testing** 

Total Depth: 99.0 Ft

Water Elev: 362.53 Ft

Depth	Recov	Sample	Blow	N	PID	USCS	Soil Description	Sample Method	Stratur
Ft 60	Ľ	ID	Count wh-wh-wh	Value 0	(ppm)	Code CL/ML	Wet, very soft, dark gray with dark brown varving, CLAY and Silt.	2SS-140H	
Ī									
65 +			WH-WH-WH	0		CL/ML	0 to 18 inches -Wet, very soft, dark gray-dark brown, CLAY, some silt, trace fine sand. 18-24 inches -wet, very soft, dark gray-dark brown, CLAY and Silt, trace fine sand.	2SS-140H	
+						ML	GUS Sample: 23 inches recovery. Note: Contents emptied and recorded: 0 to 19 inches -Wet, very soft, dark brown, SILT, some fine sand. 19 to 23 inches - wet, very loose, dark brown, fine SAND, some silt.	Shelby	Clay
		А.					Wet, very soft, dark brown, SILT and Clay.		
70 +			WH-WH-WH-WH	0		ML/CL	vet, very soit, dark blown, SiL1 and Glay.	2SS-140H	
+							Wet, very soft, dark brown, CLAY.		
75 +			WH-WH-WH-WH	0		CL		2SS-140H	
Ī							GUS Sample: 24 inches recovery		
						CL		Shelby	Silt and C
†			WH-WH-WH	0		CL	Wet, very soft, dark brown, CLAY.	2SS-140H	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-30171

Start/End Date: 06/28/2010 - 06/30/2010

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124681.167

Easting: 918598.775

Mud Line: 339.53 Ft

Driller: Mark Childs

**Borehole Logging Company: Parsons** 

**Drilling Company: Atlantic Testing** 

Surface Water Depth: 23 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 99.0 Ft Water Elev: 362.53 Ft

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
80			WH-WH-WH-WH	0		CL	Wet, very soft, dark brown, CLAY.	2SS-140H	-
85 +			WH-WH-WH	0		CL/ML	Wet, very soft, medium brown, CLAY, some silt.	2SS-140H	-
4			WH-WH-WH	0		CL/ML	Wet, very soft, medium brown, CLAY, some silt.	2SS-140H	Silt and C
							GUS Sample: no recovery	Shelby	_
90 +							GUS Sample: 22 inches recovery	Shelby	-
†			3-2-2-1	4		ML	Wet, soft, brown, SILT, trace clay, trace fine sand.	2SS-140H	
95 +									Silt and S
			WH-WH-WH-6	0		ML	Wet, very soft, brown, SILT, little fine sand, trace clay.	2SS-140H	_

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-30172

Start/End Date: 06/24/2010 - 06/25/2010

Weather: High 70s, Winds NW 10-15mph, cloudy

Northing: 1123826.196

Easting: 919272.895

Mud Line: 341.81 Ft

Surface Water Depth: 21 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 67.0 Ft Water Elev: 362.81 Ft

Depth Sam		Sample	Blow	N	PID	USCS		Sample	
Ft	Recov	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
0			wн-wн-wн	0	<b>.</b>	SOLW	Wet, very soft, green-white, silt-like grains, trace gravel in top 1 inch, mothball odor.	2SS-140H	
5 -			WH-WH-WH	0		SOLW	Wet, very soft, green-white, silt-like grains, trace concretions throughout, mothball odor.	2SS-140H	Solvay W
10 +			WH-WH-WH	0		SOLW	Wet, very soft, white-gray, silt-like grains and sand-like grains, mohtball odor.	2SS-140H	
15 -			WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, trace clay, trace shells, sulfur-like odor.	2SS-140H	
+			WH-WH-WH	0		CL	Wet, very soft, medium brown, CLAY and Silt, trace shells, sulfur-like odor.	2SS-140H	Mar

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-30172

Start/End Date: 06/24/2010 - 06/25/2010

Weather: High 70s, Winds NW 10-15mph, cloudy

Northing: 1123826.196

Easting: 919272.895

**Driller: Mark Childs** 

Mud Line: 341.81 Ft

Borehole Logging Company: Parsons

**Drilling Company: Atlantic Testing** 

Surface Water Depth: 21 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 67.0 Ft Water Elev: 362.81 Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratur
20							GUS Sample: 24 inches recovery	Shelby	
			WH-WH-WH	0		CL	Wet, very soft, brown, CLAY, some silt, trace wood fragments, sulfur-like odor.	2SS-140H	
25 —			WH-WH-WH-WH	0		CL	Wet, very soft, light gray-brown, CLAY and Silt, slight sulfur-like odor.	2SS-140H	
							GUS Sample: 24 inches recovery	Shelby	Marl
30 +			WH-WH-WH	0		ML/CL	Wet, very soft, dark gray-black, SILT and Clay.	2SS-140H	
+									
35 +			WH-WH-WH	0		CL	Wet, very soft, medium brown, CLAY, some silt.	2SS-140H	
  -  -							GUS Sample: 24 inches recovery	Shelby	Silt and 0

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-30172

Start/End Date: 06/24/2010 - 06/25/2010

Weather: High 70s, Winds NW 10-15mph, cloudy

Northing: 1123826.196

Easting: 919272.895 Mud Line: 341.81 Ft

5

Driller: Mark Childs

Diller. Mark Child

Total Depth: 67.0 Ft Water Elev: 362.81 Ft

Borehole Logging Company: Parsons

**Drilling Company: Atlantic Testing** 

Depth Units: Ft

Surface Water Depth: 21 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

8	Sample	Blow	N	PID	USCS		Sample	<u>.</u>
Re	ID	Count	Value	(ppm)	Code		Method	Stratu
		WH-WH-WH	0		CL	Wet, very soft, medium brown, CLAY, little silt.	2SS-140H	
						Wet, very soft, brown, CLAY.		
		WH-WH-WH	0		CL		2SS-140H	
						GUS Sample: 24 inches recovery	Shelby	Silt and 0
		WH-WH-WH	0		CL	Wet, very soft, brown, CLAY, trace silt.	2SS-140H	
						0 to 8 inches - Wet, very soft, brown, CLAY and Silt.		
		WH-WH-WH	0		CL/ML	8 to 12 inches - wet, very soft, brown, SIL1, some clay.	2SS-140H	
						GUS Sample: 24 inches recovery	Shelby	Silt and S
	Recov	Reco	WH-WH-WH	wн-wн-wн 0  wн-wн-wн 0	wн-wн-wн 0 wн-wн-wн 0	wн-wн-wн 0 CL  wн-wн-wн-wн 0 CL	WH-WH-WH-WH-WH  U  WH-WH-WH-WH-WH  WH  WH-WH-WH-WH-WH  WH	Wet, very soft, medium brown, CLAY, little silt.  Wet, very soft, brown, CLAY.  Wet, very soft, brown, CLAY.  GUS Sample: 24 inches recovery  Wet, very soft, brown, CLAY, trace silt.  Wet, very soft, brown, CLAY, trace silt.  CL  O to 8 inches - Wet, very soft, brown, CLAY and Silt. 8 to 12 inches - wet, very soft, brown, SILT, some clay.  GUS Sample: 24 inches recovery

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-30172

Start/End Date: 06/24/2010 - 06/25/2010

Weather: High 70s, Winds NW 10-15mph, cloudy

Northing: 1123826.196

Easting: 919272.895

Mud Line: 341.81 Ft

Surface Water Depth: 21 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 67.0 Ft Water Elev: 362.81 Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratun
60			WH-WH-WH	0	U 1 7	ML/SM	Wet, very soft, brown, SILT, some fine sand, trace clay.	2SS-140H	
									Silt and San
65 +			WH-WH-2-4	2		ML/SM	Wet, very soft, brown, SILT and fine Sand.	2SS-140H	
67.0					dicate PID	reading not	taken		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-40300

Start/End Date: 07/01/2010 - 07/08/2010

Weather: Low 70s, sun&clouds, Winds WNW 10-20 mph

Northing: 1125802.724 Easting: 915603.254 **Drilling Company: Atlantic Testing** 

Water Elev: 362.8 Ft

Mud Line: 360 Ft

Driller: Mark Childs
Borehole Logging Company: Parsons

Depth Units: Ft

Total Depth: 96.0 Ft

Surface Water Depth: 2.8 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Depth	Recov	Sample	Blow	N	PID	USCS	Soil Description	Sample Method	Stratur
Ft	22	ID	Count	Value	(ppm)	Code	·	Method	Otratai
0			WH-WH-WH	0		ML	Wet, very soft, dark brown-black, SILT, some medium to fine sand, trace fine gravel.	2SS-140H	Silt
5							No Recovery		
1								2SS-140H	
			wн-wн-wн	0		SW	Wet, very loose, light gray, fine to coarse SAND, trace shells.	2SS-140H	
10 +					1 21		GUS Sample: 24 inches recovery	Shelby	
			WH-2-2-1	4		SM	Wet, very loose, light gray grading to dark gray, medium to fine SAND, trace silt, trace shells.	2SS-140H	-
İ									Marl
15							GUS Sample: 22 inches recovery	Shelby	
†			WH-1-1-1	2		SM	Wet, very loose, dark brown, fine SAND, some silt, trace shells.	2SS-140H	-
+			WH-1-WH-1	1		SM	Wet, very loose, dark brown-gray, fine SAND, some silt, trace shells, trace wood fragments.	2SS-140H	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-40300

Start/End Date: 07/01/2010 - 07/08/2010

Weather: Low 70s, sun&clouds, Winds WNW 10-20 mph

Northing: 1125802.724 Easting: 915603.254 **Drilling Company: Atlantic Testing** 

Total Depth: 96.0 Ft

Easting: 915603.254

**Driller: Mark Childs** 

Water Elev: 362.8 Ft

Mud Line: 360 Ft

Borehole Logging Company: Parsons

Depth Units: Ft

Surface Water Depth: 2.8 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Depth	Recov	Sample	Blow	N	PID	USCS	Soil Description	Sample	Strotup
Ft 20	ď	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratur
20									
			1-WH-WH-WH	0		sw	Wet, very loose, dark gray, fine to coarse SAND.	2SS-140H	
25 +									
30 +			1-WH-WH-2	0		SW	Wet, very loose, dark gray, fine to coarse SAND.	2SS-140H	- Marl
35 +			WH-1-WH-3	1		SM	Wet, very loose, dark gray, fine to coarse SAND, some silt.	2SS-140H	
40			WH-1-WH-1	1		ML/SM	Wet, very soft, dark gray, SILT and fine Sand.	2SS-140H	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-40300

Start/End Date: 07/01/2010 - 07/08/2010

Weather: Low 70s, sun&clouds, Winds WNW 10-20 mph

Northing: 1125802.724 Easting: 915603.254 **Drilling Company: Atlantic Testing** 

Total Depth: 96.0 Ft Water Elev: 362.8 Ft

Mud Line: 360 Ft

**Driller: Mark Childs** 

Depth Units: Ft

Widd Line. 300 i t

Borehole Logging Company: Parsons

Deptil Office.

Surface Water Depth: 2.8 Ft Borehole Geologist: A. Menges Rig Type: Drill Barge

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratur
40	-	10	Count	value	(рріп)	Code	·	Wethou	
1									
t									
	П		WH-WH-WH	0		ML/SM	Wet, very soft, dark gray, SILT, and fine Sand, trace clay in bottom.	2SS-140H	-
45 —				À		3.00			Marl
40.									
			WH-WH-WH-WH	0		ML	Wet, very soft, dark gray, SILT, little clay.	2SS-140H	
50 +									
							GUS Sample: 23 inches recovery	Shelby	
							GUS Sample: 24 inches recovery	Shelby	
								0.1015	
55			WH-WH-WH	0		CL	Wet, very soft, dark brown, CLAY, some silt.	2SS-140H	0:14 4 (
55 —			VVH-VVH-VVH			CL		255-140H	Silt and C
Ī									]
†									
60 <del></del> 1		L l		<b>L</b>		L			L

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-40300

Start/End Date: 07/01/2010 - 07/08/2010

Weather: Low 70s, sun&clouds, Winds WNW 10-20 mph

Northing: 1125802.724 Easting: 915603.254

Driller: Mark Childs

Total Depth: 96.0 Ft Water Elev: 362.8 Ft

Mud Line: 360 Ft

Diller. Wark Childs

Depth Units: Ft

Surface Water Depth: 2.8 Ft

Borehole Logging Company: Parsons

**Drilling Company: Atlantic Testing** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

PID USCS Depth Sample Blow N Sample Soil Description Stratum (ppm) Ft ID Count Value Code Method GUS Sample: 23 inches recovery 60 Shelby GUS Sample: 24 inches recovery Shelby 65 Wet, very soft, brown, CLAY, little silt. 0 CL WR-WH-WH-WH 2SS-140H Wet, very soft, brown, CLAY, some silt, silty lenses CL 70 2-1-WH-1 1 2SS-140H Silt and Clay GUS Sample: 21 inches recovery Shelby Wet, very soft, brown, SILT, little clay 3 inches clay lens. WH-WH-2-2 ML 2SS-140H 75 Wet, very soft, brown, CLAY, some silt, silt lenses WH-1-WH-1 CL throughout. 2SS-140H 80

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-40300

Start/End Date: 07/01/2010 - 07/08/2010

Weather: Low 70s, sun&clouds, Winds WNW 10-20 mph

Northing: 1125802.724 Easting: 915603.254 **Drilling Company: Atlantic Testing** 

Total Depth: 96.0 Ft Water Elev: 362.8 Ft

Mud Line: 360 Ft

Driller: Mark Childs

Donth Unite: Ct

widd Line. 300 i t

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 2.8 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Depth	200	Sample	Blow	N	PID	USCS		Sample	
Ft	Recov	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratur
80			WH-1-WH-1	1		CL	Wet, very soft, brown, CLAY, some silt, silt lenses throughout.	2SS-140H	
							GUS Sample: 22.5 inches recovery	Shelby	- Silt and Cla
85 —			WH-WH-4-8	4		SW/ML	0 to 6 inches -Wet, loose, brown, fine SAND (SW). 6 to 18 inches -wet, soft, brown, SILT, some clay (ML). 18 to 24 inches -wet, loose, brown, fine SAND (SW).	2SS-140H	
90 +			7-7-6-9	13		SM	Wet, medium dense, brown, medium to coarse SAND.	2SS-140H	Silt and Sar
95 —			8-7-11-13	18		SM	Wet, medium dense, brown, medium SAND.	2SS-140H	-
97.0		_			disease Diff.	reading not			-

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60298

Start/End Date: 07/15/2010 - 07/19/2010

Weather: Low 90s, Winds SW 5-15mph, hot and humid

Northing: 1118831.023

Easting: 928130.010 Mud Line: 359.18 Ft

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

**Drilling Company: Atlantic Testing** 

Surface Water Depth: 3.5 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 61.0 Ft Water Elev: 362.68 Ft Depth Units: Ft

Depth	Recov	Sample	Blow	N	PID	USCS	Soil Description	Sample Method	Stratun
Ft	2	ID	Count	Value	(ppm)	Code	4	Method	Otratui
0			WH-WH-WH	0		SM	Wet, very loose, dark brown, medium to fine SAND, trace organic material.	2SS-140H	
							GUS Sample: 22.5 inches recovery	Shelby	Sand
5 +		8	1-WH-WH-WH	0		SM	Wet, very loose, dark brown-black, medium to fine SAND, slight petroleum-like odor.	2SS-140H	-
							GUS Sample: 24 inches recovery	Shelby	
10			WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, some fine sand, trace shells, trace organic material.	2SS-140H	
15 —			WH-WH-WH	0		ML	Wet, very soft, brown-gray, SILT, some fine sand, trace shells.	2SS-140H	Silt
			WH-WH-WH	0		ML	Wet, very soft, brown-gray, SILT, some fine sand, trace shells, trace wood fragments.	2SS-140H	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60298

Start/End Date: 07/15/2010 - 07/19/2010

Weather: Low 90s, Winds SW 5-15mph, hot and humid

Northing: 1118831.023

Easting: 928130.010

Mud Line: 359.18 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 61.0 Ft Water Elev: 362.68 Ft Depth Units: Ft

Surface Water Depth: 3.5 Ft PID USCS Depth Sample Blow N Sample Soil Description Stratum ID Count Value Code Method Ft (ppm) 20 Wet, very soft, brown-gray, SILT, some fine sand, trace shells, trace wood fragments, slight sewage-like WH-WH-WH-WH 0 ML 2SS-140H 25 Wet, very soft, brown-gray, SILT, some fine sand, trace shells, trace wood fragments, slight sewage-like odor. 0 ML 2SS-140H WH-WH-WH-WH 30 Silt Wet, very soft, brown, SILT, trace clay, trace shells, slight sewage-like odor. ML 2SS-140H WH-WH-WH-WH 35 GUS Sample: 24 inches recovery Shelby Wet, very soft, brown, SILT, trace clay, slight sewage-like odor. 2 ML WH-WH-2-2 2SS-140H 40

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60298

Start/End Date: 07/15/2010 - 07/19/2010

Weather: Low 90s, Winds SW 5-15mph, hot and humid

Northing: 1118831.023

Easting: 928130.010

Mud Line: 359.18 Ft

Surface Water Depth: 3.5 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 61.0 Ft Water Elev: 362.68 Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS	Soil Description	Sample Method	Stratur
40				Value	(PP)				
			WH-WH-WH	0		ML	Wet, very soft, brown, SILT, trace clay, slight sewage-like odor.	2SS-140H	
45 —							GUS Sample: 24 inches recovery	Shelby	
50 —			WH-WH-WH	0		ML	Wet, very soft, brown, SILT, trace clay, slight sewage-like odor.	2SS-140H	Silt
							Wet, very soft, dark brown-gray, SILT, little clay, sewage-like odor.		
55 —			WH-WH-WH-2	0		ML/CL	Shelby Tube (11 inches recovery). Note: contents emptied and recorded: Wet, very soft, gray, SILT and Clay.	2SS-140H Shelby	
+ 1			WH-WH-WH	0		ML/CL	Wet, very soft, dark gray, SILT and Clay, slight sewage-like odor.	2SS-140H	Silt and Cl
+						ML/CL	GUS Sample: 24 inches recovery	Shelby	-

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60298

Start/End Date: 07/15/2010 - 07/19/2010

Weather: Low 90s, Winds SW 5-15mph, hot and humid

Northing: 1118831.023

Easting: 928130.010

Mud Line: 359.18 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Surface Water Depth: 3.5 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 61.0 Ft

Water Elev: 362.68 Ft Depth Units: Ft

Depth	200	Sample	Blow	N	PID	USCS		Sample	,
Ft	Rec	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratum
60						ML/CL	GUS Sample: 24 inches recovery	Shelby	Silt and Clay
61.0			Note: N	fields in	dicate PID	reading not	taken		

Note: Null fields indicate PID reading not taken

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60299

Start/End Date: 07/09/2010 - 07/13/2010

Weather: Low 90s, Winds SW 5-15mph, hot and humid

Northing: 1119520.090

Easting: 928070.286 Mud Line: 354.68 Ft

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

**Drilling Company: Atlantic Testing** 

Surface Water Depth: 8 Ft Borehole Geologist: S. Dillman Rig Type: Drill Barge Total Depth: 63.0 Ft

Water Elev: 362.68 Ft

	_								
Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratur
0	/				G-17-C-17		No Recovery		
+			WR-WR-WR	0				2SS-140H	
						SM	GUS Sample: 19 inches recovery. Note: COntetns empite and recorded -Wet, very soft, black, SILT, little clay, trace wood fragments, petroleum-like odor.	Shelby	Sand
5 +						ML	GUS Sample: 23.5 inches recovery	Shelby	
1			WR-WR-WR	0		ML	Wet, very soft, black-dark green, SILT, little fine sand, trace shells, black staining and sheen, petroleu odor.	m-like 2SS-140H	
Ī						ML	GUS Sample: 24 inches recovery	Shelby	
10			WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, little fine sand, trace shells, petroleum-like odor.	2SS-140H	Silt
15 +									
			WH-WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, trace fine sand, trace shells.	2SS-140H	
20									L

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60299

Start/End Date: 07/09/2010 - 07/13/2010

Weather: Low 90s, Winds SW 5-15mph, hot and humid

Northing: 1119520.090

Easting: 928070.286

Surface Water Depth: 8 Ft

Mud Line: 354.68 Ft

**Drilling Company: Atlantic Testing Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Borehole Geologist: S. Dillman Rig Type: Drill Barge

Total Depth: 63.0 Ft Water Elev: 362.68 Ft Depth Units: Ft

Depth	Recov	Sample	Blow	N	PID	USCS	Soil Description	Sample	Stratu
Ft 20	ď	ID	Count	Value	(ppm)	Code	Soli Description	Method	Stratt
			WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, trace fine sand, trace clay, slight sewage-like odor.	2SS-140H	
25 —			WH-WH-WH	0	o 100	ML	Wet, very soft, dark brown, SILT, trace fine sand, trace clay, slight sewage-like odor.	288-140H	-
30 —	h								Silt
†			WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, trace clay, slight sewage-like odor.	2SS-140H	
35 +						ML	GUS Sample: 24 inches recovery	Shelby	
			WH-WH-WH	0		ML	Wet, very soft, dark gray, SILT, trace clay, slight sewage-like odor.	2SS-140H	-
40									

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60299

Start/End Date: 07/09/2010 - 07/13/2010

Weather: Low 90s, Winds SW 5-15mph, hot and humid

Northing: 1119520.090

Easting: 928070.286

Mud Line: 354.68 Ft

Surface Water Depth: 8 Ft

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

**Drilling Company: Atlantic Testing** 

Borehole Geologist: S. Dillman Rig Type: Drill Barge

Total Depth: 63.0 Ft

Water Elev: 362.68 Ft

	_			-				1	1
Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	۱
40					9.1				
+			WH-WH-WH	0	al «	ML	Wet, very soft, dark gray, SILT, little clay, slight sewage-like odor.	2SS-140H	-
						ML	GUS Sample: 24 inches recovery	Shelby	
45 —			WH-WH-WH	0		ML	Wet, very soft, dark gray, SILT, little clay, slight sewage-like odor.	2SS-140H	Silt
50 —									
+			WH-WH-WH	0	-	ML	Wet, very soft, dark gray, SILT, little clay, slight sewage-like odor.	2SS-140H	-
+					1		GUS Sample: 12 inches recovery		
+						ML		Shelby	
55 +						ML	GUS Sample: 24 inches recovery	Shelby	Silt and 0
†			WH-WH-WH	0	-	ML/CL	Wet, very soft, dark gray, SILT, some clay, sewage-like odor.	2SS-140H	
+			WH-WH-WH-WH	0	-	ML/CL	Wet, very soft, dark gray, SILT and Clay, sewage-like odor.	2SS-140H	-

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60299

Start/End Date: 07/09/2010 - 07/13/2010

Weather: Low 90s, Winds SW 5-15mph, hot and humid

Northing: 1119520.090

**Drilling Company: Atlantic Testing** 

Total Depth: 63.0 Ft

Easting: 928070.286

**Driller: Mark Childs** 

Water Elev: 362.68 Ft

Mud Line: 354.68 Ft

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 8 Ft

Borehole Geologist: S. Dillman Rig Type: Drill Barge

Depth	cov	Sample	Blow	N	PID	USCS		Sample	
Ft	Rec	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratum
60			WH-WH-WH-WH	0		ML/CL	Wet, very soft, dark gray, SILT and Clay, sewage-like odor.	2SS-140H	
*							GUS Sample: 24 inches recovery		Silt and Clay
+						ML/CL		Shelby	
63.0									

Note: Null fields indicate PID readings not taken

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60300

Start/End Date: 07/20/2010 - 07/22/2010

Weather: Mid 80s, Winds NW 5-15mph, mostly cloudy

Northing: 1119671.158

**Drilling Company: Atlantic Testing** 

Total Depth: 60.0 Ft

Easting: 928710.903

**Driller: Mark Childs** 

Water Elev: 362.56 Ft

Mud Line: 359.76 Ft

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 2.8 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Depth	Recov	Sample	Blow	N	PID	USCS	0.115	Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
0			1-WH-WH-WH	0		sw	Wet, very soft, brown-light gray, fine to coarse SAND, trace organic material, slight organic odor.	2SS-140H	
Ī							GUS Sample: 24 inches recovery	Shelby	Sand
5 +			4-1-WH-WH	1		SW	Wet, very soft, light gray, fine to coarse SAND, trace shells.	2SS-140H	
1			WH-WH-WH-1	0		SM	Wet, very soft, dark gray-brown, fine to coarse SAND, some silt, trace shells, slight sulfur-like odor.	2SS-140H	
						ML	GUS Sample: 23 inches recovery	Shelby	
10 +			2-WH-WH-WH	0		ML	Wet, very soft, gray, SILT, some fine sand, trace shells, sulfur-like odor.	2SS-140H	
			WH-WH-WH	0		ML	Wet, very soft, gray, SILT, some fine sand, trace shells, sulfur-like odor.	2SS-140H	Marl
15			WH-WH-WH	0		ML	Wet, very soft, gray, SILT, some fine sand, trace shells, sulfur-like odor.	2SS-140H	
†			WH-WH-WH	0		ML	Wet, very soft, brown, SILT, little find sand, trace shells.	2SS-140H	
†			WH-WH-WH	0		ML	Wet, very soft, brown, SILT, little find sand, trace shells.	2SS-140H	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60300

Start/End Date: 07/20/2010 - 07/22/2010

Weather: Mid 80s, Winds NW 5-15mph, mostly cloudy

Northing: 1119671.158 Easting: 928710.903 **Drilling Company: Atlantic Testing** 

Total Depth: 60.0 Ft

Mud Line: 359.76 Ft

Driller: Mark Childs

Water Elev: 362.56 Ft

**Borehole Logging Company: Parsons** 

Depth Units: Ft

Surface Water Depth: 2.8 Ft Borehole Geologist: A. Menges Rig Type: Drill Barge

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
20			WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, trace fine sand, trace shells, sewage-like odor.	2SS-140H	
-			WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, trace fine sand, trace shells, sewage-like odor.	2SS-140H	
25 +			WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, trace fine sand, trace shells, sewage-like odor.	2SS-140H	•
+			WH-WH-1-2	1		ML	Wet, very soft, dark brown, SILT, trace fine sand, trace shells, trace wood fragments, sewage-like odor.	2SS-140H	
İ			WH-WH-WH-WH	0		ML	Wet, very soft, dark brown, SILT, trace organic material, trace shells, slight sewage-like odor.	2SS-140H	Silt
30 +			WH-WH-WH	0		ML	Wet, very soft, medium brown, SILT, trace clay, trace shells, slight sewage-like odor.	2SS-140H	
			WH-WH-WH-WH	0		ML	Wet, very soft, medium brown, SILT, trace clay, trace shells, slight sewage-like odor.	2SS-140H	
35 —			WH-WH-WH	0		ML	Wet, very soft, medium brown, SILT, trace clay, trace shells, slight sewage-like odor.	2SS-140H	
†						ML	GUS Sample: 24 inches recovery	Shelby	
†  -			WH-WH-WH	0		ML	Wet, very soft, brown, SILT, some clay, light sewage-like odor.	2SS-140H	Silt and 0

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60300

Start/End Date: 07/20/2010 - 07/22/2010

Weather: Mid 80s, Winds NW 5-15mph, mostly cloudy

Northing: 1119671.158

Easting: 928710.903

Mud Line: 359.76 Ft

Drilling Company: Atlantic Testing Driller: Mark Childs

Pershela Logging Company

**Borehole Logging Company: Parsons** 

Surface Water Depth: 2.8 Ft Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 60.0 Ft Water Elev: 362.56 Ft

Depth	8	Sample	Blow	N	PID	USCS		Sample	
Ft	Recov	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratun
40			WH-WH-WH-WH	0		ML	Wet, very soft, brown, SILT, some clay, slight sewage-like odor.	2SS-140H	
Ì			WH-WH-WH	0		ML/CL	Wet, very soft, brown SILT and Clay, slight sewage-like odor.	2SS-140H	_
45			WH-WH-WH	0		ML/CL	Wet, very soft, brown SILT and Clay, slight sewage-like odor.	2SS-140H	-
Ì						ML/CL	GUS Sample: 24 inches recovery	Shelby	-
į			WH-WH-WH-WH	0		ML/CL	Wet, very soft, dark brown-dark gray, SILT and Clay.	2SS-140H	-
50 +			WH-WH-WH	0		CL.ML	Wet, very soft, dark gray, CLAY and Silt.	2SS-140H	Silt and Clay
+			WH-WH-WH	0		CL/ML	Wet, very soft, dark gray, CLAY and Silt.	2SS-140H	-
55 —			WH-WH-WH	0		CL/ML	Wet, very soft, dark gray, CLAY and Silt.	2SS-140H	-
<u> </u>						CL/ML	GUS Sample: 24 inches recovery	Shelby	
 			WH-WH-WH	0		CL	Wet, very soft, dark gray, CLAY, some silt.	2SS-140H	

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**Driller: Mark Childs** 



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60301

Start/End Date: 07/13/2010 - 07/14/2010 Weather: Low 80s, cloudy, Winds, S 5-10mph

Northing: 1120305.194 Easting: 928433.858 **Drilling Company: Atlantic Testing** 

Total Depth: 60.0 Ft Water Elev: 362.73 Ft

Mud Line: 358.23 Ft

Borehole Logging Company: Parsons

Depth Units: Ft

Surface Water Depth: 4.5 Ft

Borehole Geologist: A. Menges Rig Type: Drill Barge

Depth	Recov	Sample	Blow	N	PID	USCS		Sample	
Ft	Re	ID	Count	Value	(ppm)	Code	Soil Description	Method	Stratu
0			WH-WH-WH	0		ML	Wet, very soft, black, SILT, trace fine sand, trace organic material, sewage-like odor.	2SS-140H	
						ML	GUS Sample: 24 inches recovery	Shelby	
5 +			WH-WH-WH	0		ML	Wet, very soft, black-dark gray, SILT, some fine sand, trace shells.	2SS-140H	Silt
						ML	GUS Sample: 23 inches recovery	Shelby	
10 -			WH-WH-WH	0		ML/SM	Wet, very soft, light gray-light brown, SILT and medium to fine Sand, little shells.	2SS-140H	
15 +									
			WH-WH-WH	0		ML	Wet, very soft, brown-gray, SILT, trace clay, trace fine sand, trace shells.	2SS-140H	Mar
20									

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60301

Start/End Date: 07/13/2010 - 07/14/2010 Weather: Low 80s, cloudy, Winds, S 5-10mph

Northing: 1120305.194 Easting: 928433.858

Mud Line: 358.23 Ft

**Drilling Company: Atlantic Testing** 

Driller: Mark Childs

Borehole Logging Company: Parsons

Surface Water Depth: 4.5 Ft Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 60.0 Ft Water Elev: 362.73 Ft

Depth Units: Ft

PID USCS N Depth Sample Blow Sample Soil Description Stratum Ft ID Count Value (ppm) Code Method 20 Marl Wet, very soft, medium brown, SILT, trace clay, trace shells. ML WH-WH-WH-WH 2SS-140H Silt 25 Wet, very soft, medium brown, SILT and Clay, trace shells. 0 ML/CL WH-WH-WH 2SS-140H 30 Wet, very soft, gray-brown, CLAY and Silt, trace 0 CL/ML 2SS-140H WH-WH-WH-WH Silt and Clay GUS Sample: 24 inches recovery CL Shelby 35 Wet, very soft, gray, CLAY, some silt. WH-WH-WH-WH 0 CL 2SS-140H 40

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60301

Start/End Date: 07/13/2010 - 07/14/2010 Weather: Low 80s, cloudy, Winds, S 5-10mph

Northing: 1120305.194 Easting: 928433.858

Mud Line: 358.23 Ft

**Drilling Company: Atlantic Testing** 

**Driller: Mark Childs** 

**Borehole Logging Company: Parsons** 

Surface Water Depth: 4.5 Ft Borehole Geologist: A. Me

Borehole Geologist: A. Menges Rig Type: Drill Barge

Total Depth: 60.0 Ft Water Elev: 362.73 Ft

Depth	Recov	Sample	Blow	N	PID	USCS	Soil Description	Sample	Stratus
Ft 40	ď	ID	Count	Value	(ppm)	Code	30ii Description	Method	Stratui
40									
Ŧ							Wet, very soft, brown-gray, CLAY, trace silt.		1
+	М		WH-WH-WH-WH	0		CL		2SS-140H	
							GUS Sample: 24 inches recovery		
-						CL		Shelby	
45 —					1 15				-
	н						Wet, very soft, brown-gray, CLAY, trace silt.		
*			WH-WH-WH	0		CL		2SS-140H	
+	4 4-								-
		11							
50 +									Silt and Cla
+		-			-		Wet, very soft, brown-gray, CLAY, trace silt.		-
			WH-WH-WH-WH	0		CL	<b>3 9 9 9</b>	2SS-140H	
			***************************************			02		200 11011	
t					1		GUS Sample: 6 inches recovery		1
+						CL		Shelby	
55 —									
55							GUS Sample: 24 inches recovery		
+						CL		Shelby	
+									-
1							Wet, very soft, brown, CLAY.		
+			WH-WH-WH-WH	0		CL		2SS-140H	
60.0						reading not			

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Honeywe

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20209

Date: 06/10/2010

Weather:

Northing: 1119349.463

Easting: 921604.954

Mud Line: 361.4 Ft

**Driller: PARSONS** 

ML

ML

7.1

4.3

OL-1297-18

OL-1297-19

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 363.3 Ft

Attempts: 3

Depth Units:

Surface	Water	Depth: 1.9 Ft	Pe	netration	Depth: 11.50 Core Recovery Depth: 8.30		
Depth	Recov	Sample	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1297-11	18.0	GW	Wet, very dense, light to dark gray, fine to coarse GRAVEL and Sand, some cobbles, petroleum like odor.		
Ī		OL-1297-12	89.0	GW	Wet, very dense, light to dark gray, fine to coarse GRAVEL and fine to coarse Sand, some cobbles, trace silt, petroleum like odor.		
1		OL-1297-13	138.0	ML	Wet, dense, light gray, SILT and fine to coarse Sand, some cemented chunks, slight petroleum like odor.		
İ		OL-1297-15	248.0	ML	Wet, dense, light gray, SILT and fine to coarse Sand, some cemented chunks, slight petroleum like odor.		
-		OL-1297-16	40.5	ML	Wet, soft, light gray, SILT and fine to coarse Sand, trace cemented chunks, trace shells, slight petroleum like odor.		
5 +		OL-1297-17	16.0	ML	Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, slight sulfur like odor.		

Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, slight sulfur like odor.

Wet, soft, light gray, SILT and fine to coarse Sand, trace

shells, slight sulfur like odor.

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20199

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny and humid.

Core Recovery Depth: 2.5

Northing: 1120041.90

Easting: 921286.40

Mud Line: 361.8 Ft

Surface Water Depth: 0.7 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: H. PHILIP

Penetration Depth: 6.00

Water Elev: 362.5 Ft

Attempts: 2

Depth	Recov	Sample	PID	USCS	0.00	Sample	<b>0</b> .
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1209-18	1.7	Fill	Wet, medium dense, dark grey and black, fine to coarse SAND, little silt, little fine subangular gravel, trace organics, strong petroleum-like odor (slag).	Vibracore	
	ľ	OL-1209-19	2.0	Fill	Wet, medium dense, dark grey and black, fine to coarse SAND, little silt, little fine subangular gravel, trace organics, strong petroleum-like odor (slag).	Vibracore	
	H	OL-1209-20	0.9	Fill	Wet, medium dense, dark grey and black, fine to coarse SAND, little silt, little fine subangular gravel, trace organics, strong petroleum-like odor (slag).	Vibracore	
		OL-1211-01	0.7	Fill	Wet, medium dense, dark grey and black, fine to coarse SAND, little silt, little fine subangular gravel, trace organics, strong petroleum-like odor (slag).	Vibracore	
		OL-1211-02	0.8	Fill	Wet, very dense, dark grey, fine to coarse SAND, little subangular gravel, trace organics, strong petroleum-like odor (slag).	Vibracore	
		OL-1211-03	1.3	Fill	Wet, very dense, dark grey, fine to coarse SAND, little subangular gravel, trace organics, strong petroleum-like odor (slag).	Vibracore	Fill
		OL-1211-04	1.3	Fill	Wet, very dense, dark grey, fine to coarse SAND, little subangular gravel, trace organics, strong petroleum-like odor (slag).	Vibracore	
					Mat and data and fine to a second CAND little authorized		
		OL-1211-05	1.1	Fill	Wet, very dense, dark grey, fine to coarse SAND, little subangular gravel, trace organics, strong petroleum-like odor (slag).	Vibracore	
2.5							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20200

Date: 05/26/2010

Weather: Low 90's, winds NW 5-15 mph, sun.

Northing: 1120015.70

**Driller: Atlantic Testing** Logging Company: PARSONS Water Elev: 362.5 Ft

Easting: 921346.20 Mud Line: 361.2 Ft

Geologist: H. PHILIP

Attempts: 2 Depth Units: Ft

Surface Water Depth: 1.3 Ft

Penetration Depth: 4.00

Depth	30	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1214-19	0.0	Fill	Wet, loose, dark grey, fine to coarse subangular GRAVEL, trace fine to coarse sand, petroleum-like odor, slag.	Vibracore	
	ĺ	OL-1214-20	0.0	Fill	Wet, loose, fine subangular GRAVEL, some fine to coarse sand, trace silt, brick fragments, strong petroleum odor, slag.	Vibracore	
		OL-1215-01	0.1	Fill	Wet, loose, dark grey, fine to coarse SAND, little silt, trace fine subangular gravel, strong petroleum-like odor, slag.	Vibracore	Fill
		OL-1215-02	0.1	Fill	Wet, loose, fine to coarse SAND, some silt, trace clay clast, trace organics, strong petroleum-like odor, slag.	Vibracore	
		OL-1215-03	0.2	Fill	Wet, loose, fine to coarse SAND, some silt, trace fine subangular gravel, trace organics, strong petroleum-like odor, slag.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20201

Date: 05/27/2010

Weather: High 80s ,winds W 5-15 mph, cloudy w/T-storms

Northing: 1119971.23

Driller: Atlantic Testing

Water Elev: 362.5 Ft

Easting: 921409.31 Mud Line: 355.1 Ft Logging Company: PARSONS Geologist: B. MCALLISTER Attempts: 2
Depth Units: Ft

Surface Water Depth: 7.4 Ft

Penetration Depth: 3.50

Depth   8	Sample	PID	USCS		Sample	
Depth S	ID	(ppm)	Code	Soil Description	Method	Stratum
0	OL-1219-20	0.0	Fill	Wet, loose, dark gray, fine to coarse angular GRAVEL, some shells, trace sand, petroleum-like odor.	Vibracore	
	OL-1221-01	0.0	Fill	Wet, loose, dark gray, angular, fine to coarse GRAVEL, some shells, trace fine to coarse sand, petroleum-like odor.	Vibracore	
	OL-1221-02	0.0	Fill	Wet, loose, very loose, dark gray, angular fine to coarse GRAVEL, some loose fine to coarse sand, trace slag, organic debris, petroleum-like odor. large brick.	Vibracore	
	OL-1221-03	0.0	Fill	Wet, loose to very loose, dark gray, angular fine to medium GRAVEL, some fine to coarse sand, petroleum-like odor.	Vibracore	
	OL-1221-04	0.0	Fill	Wet, loose, dark gray, fine to coarse SAND, some angular fine to coarse gravel, trace angular cobble, petroleum-like odor.	Vibracore	
	OL-1221-05	0.0	Fill	Wet, loose, dark gray, coarse to fine SAND, some angular fine to medium gravel, little shells, trace metal fragments, large cobble in end of recovery, petroleum-like odor.	Vibracore	Fill
	OL-1221-06	0.0	Fill	Wet, loose, dark gray, coarse to fine SAND, some angular fine to medium gravel, little shells, trace metal fragments, large cobble in end of recovery, petroleum-like odor.	Vibracore	
	OL-1221-07	0.0	Fill	Moist, loose, dark gray, fine to coarse SAND, some angular medium to fine gravel, trace metal fragments, slag, petroleum-like odor.	Vibracore	
2.5						

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20202

Date: 05/27/2010

Weather: High 80s, winds W 5-15 mph, cloudy w/T-storms

Northing: 1119897.65

Easting: 921434.62

Mud Line: 358.4 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: B. MCALLISTER

Core Recovery Depth: 8.50

Attempts: 1 Depth Units: Ft

Water Elev: 362.5 Ft

Surface Water Depth: 4.1 Ft Penetration Depth: 10.00 Depth Sample PID USCS Sample Soil Description Stratum Ft ID Method (ppm) Code Wet, very loose, brown, angular fine to coarse GRAVEL, trace 0 OL-1219-06 0.0 silt, metal shavings, petroleum-like odor, slag Vibracore Fill OL-1219-07 0.0 Vibracore Wet, very loose, brown, angular fine to coarse GRAVEL, trace 0.0 Fill OL-1219-08 silt, metal shavings, petroleum-like odor, slag Vibracore Wet, loose, dark gray, coarse to fine SAND, some subangular OL-1219-09 0.0 Fill fine to coarse gravel, little silt, delterious debris, one large Vibracore cobble, petroleum-like odor Fill 0.0 OL-1219-10 Vibracore Fill 0.0 OL-1219-11 Vibracore Wet, loose, dark gray, coarse to fine SAND, some subangular OL-1219-12 0.0 Fill fine to coarse gravel, little silt, delterious debris, one large Vibracore cobble, petroleum-like odor. Moist, loose, dark gray, angular to sub-rounded coarse to fine GRAVEL, little fine to coarse sand, petroleum-like odor, slag. OI -1219-13 0.0 Fill Vibracore Fill Wet, loose, dark gray, angular to sub-round fine to coarse GRAVEL, some fine to coarse sand, trace slag, metal fragments, petroleum-like odor. Fill OL-1219-15 0.0 Vibracore Wet, loose, dark gray, angular-subround fine to coarse GRAVEL, some fine to coarse sand, trace slag, metal fragments, petroleum-like Fill OL-1219-16 0.0 Vibracore

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 8.50

Boring No: OL-VC-20202

Date: 05/27/2010

Weather: High 80s, winds W 5-15 mph, cloudy w/T-storms

Northing: 1119897.65

Easting: 921434.62

Mud Line: 358.4 Ft

ne: 358 4 Ft

Surface Water Depth: 4.1 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 10.00

Water Elev: 362.5 Ft

Attempts: 1

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1219-17	0.0	Fill	Moist, dense, dark gray, angular to sub-round fine to coarse GRAVEL, some fine sand, trace silt, no odor, slag.	Vibracore	Fill
					Moist, stiff, light brown, SILT, some clay, dense, little		
		OL-1219-18	0.0	CL	well rounded fine to coarse gravel, petroleum-like odor.	Vibracore	
-							Clay
8.0		OL-1219-19	0.0	CL	Moist, stiff, light brown to red, CLAY, some silt, some sub-round fine to coarse gravel, metal fragments, petroleum-like odor, slag.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20203

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Northing: 1119834.16 Easting: 921436.01

Logging Company: PARSONS

Water Elev: 362 Ft

Mud Line: 362 Ft

Geologist: A. MENGES

**Driller: Atlantic Testing** 

Attempts: 2
Depth Units: Ft

Surface Water Depth: 2.4 Ft

Penetration Depth: 10.00 Core Recovery Depth: 4.50

Depth	Recov	Sample	PID	USCS	0.110	Sample	01 1
Ft	A.	ID	(ppm)	Code	Soil Description	Method	Stratum
0			0.0	Fill	Wet, loose, dark gray, coarse to fine SAND, some angular coarse to fine gravel, little soft clay, petroleum-like odor.		
		OL-1218-16	0.0	Fill	Wet, loose, brown, coarse to fine SAND, some angular coarse to fine gravel, little soft silt, petroleum-like odor.	Vibracore	
		OL-1218-17	0.0	Fill	Wet, loose, brown, coarse to fine SAND, some angular coarse gravel, little soft silt, petroleum-like odor.	Vibracore	
		OL-1218-18	0.0	Fill	Wet, loose, brown, coarse GRAVEL, coarse to fine sand, cobbles >2 inch, petroleum-like odor.	Vibracore	Fill
he -		OL-1218-19	0.0	Fill	Wet, loose, brown, coarse GRAVEL, coarse to fine sand, cobbles >2 inch, trace metal shavings, petroleum-like odor, slag.	Vibracore	
		OL-1218-20	0.0	Fill	Wet, loose, brown, sub-round to subangular coarse to fine GRAVEL, little coarse to fine sand, trace metal shavings, petroleum-like odor, slag.	Vibracore	
		OL-1219-01	0.0	Fill	0-1 inches is: Wet, loose, brown, coarse to fine sub-round to sub-angular GRAVEL, little coarse to fine sand, trace metal shavings, petroleum-like odor, slag. Bottom inch and half: Black band organic mud, MARL.	Vibracore	
		OL-1219-02	0.0	SM	Wet, very loose, light gray, fine to coarse SAND, some silt, trace shells, metal bolt, sulfur odor.	Vibracore	Mari

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20203

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Northing: 1119834.16 Easting: 921436.01 **Driller: Atlantic Testing** 

Water Elev: 362 Ft

Mud Line: 362 Ft

Logging Company: PARSONS Geologist: A. MENGES Attempts: 2 Depth Units: Ft

Surface Water Depth: 2.4 Ft

Penetration Depth: 10.00

Depth	Recov	Sample	PID	USCS	Call December	Sample	Ctt
Ft	8	ID	(ppm)	Code	Soil Description	Method	Stratum
3		OL-1219-03	0.0	SM	Wet, very loose, light gray, fine SAND, some silt, little shells, sulfur odor.	Vibracore	
							Mari
		OL-1219-04	0.0	SM	Wet, very loose, light gray, fine SAND, some silt, little shells, sulfur odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20204

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers.

Northing: 1119740.84

Easting: 921912.23 Mud Line: 332.7 Ft

Surface Water Depth: 29.8 Ft

Driller: PARSONS

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 12.00 Core Recovery Depth: 10.90

Water Elev: 362.5 Ft

Attempts: 1

Depth 3	Sample	PID	USCS		Sample	
Depth 5	ID	(ppm)	Code	Soil Description	Method	Stratum
0	OL-1239-09	0.0	ML	Wet, very soft, dark brown, SILT.	Vibracore	
	OL-1239-10	0.0	ML	Wet, very soft, dark brown, SILT.	Vibracore	
	OL-1239-11	0.0	ML	Wet, very soft, dark brown, SILT, petroleum like odor.	Vibracore	
	OL-1239-12	0.5	ML	Wet, very soft, dark brown, SILT, petroleum like odor.	Vibracore	
	OL-1239-13	0.3	ML	Wet, very soft, black, SILT, petroleum like odor.	Vibracore	
	OL-1239-14	0.1	ML	Wet, very soft, black, SILT, petroleum like odor.	Vibracore	
	OL-1239-15	0.2	ML	Wet, very soft, black, SILT, petroleum like odor.	Vibracore	
	OL-1239-16	0.1	ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	Silt
	OL-1239-17	0.5	ML	Wet, soft, black, SILT, petroleum-like odor.	Vibracore	
+	OL-1239-18	0.1	ML	Wet, soft, black, SILT, petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20204

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers.

Northing: 1119740.84 Easting: 921912.23

1119740.84 Driller: PARSONS

Water Elev: 362.5 Ft

Mud Line: 332.7 Ft

Logging Company: PARSONS Geologist: S. WEISHAUPT Attempts: 1
Depth Units: Ft

Surface Water Depth: 29.8 Ft

Penetration Depth: 12.00 Cor

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	₾	ID	(ppm)	Code	Wet, medium stiff, light to dark brown, SILT, some clay.	Method	Ottatan
		OL-1239-19	0.1	ML		Vibracore	Silt
			_		Wet, medium stiff, light brown, SILT and CLAY, trace shells, sulfur like odor.		
		OL-1239-20	0.0	ML/CL		Vibracore	
-					Wet, medium stiff, light brown, SILT and CLAY, trace shells,		
1		OL-1240-01	0.3	ML/CL	sulfur like odor.	Vibracore	Marl
+		OL-1240-02	0.0	CL/ML	Wet, medium stiff, light brown, CLAY and SILT, trace shells, sulfur like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20204A

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20 mph, showers

Northing: 1119735.10 Easting: 921922.01 Driller: Anchor QEA

Water Elev: 362.5 Ft

Mud Line: 332.7 Ft

Logging Company: PARSONS Geologist: S. WEISHAUPT Attempts: 1
Depth Units: Ft

Surface Water Depth: 29.8 Ft

Penetration Depth: 12.00 Core Recovery Depth: 10.80

Ft 0	Recov	ID OL-1240-03 OL-1240-04 OL-1240-05 OL-1240-06 OL-1240-07 OL-1240-08 OL-1240-09	(ppm)  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0	ML ML ML ML ML ML ML ML ML ML	Soil Description  Wet, very soft, dark brown, SILT, trace organic material.  Wet, very soft, dark brown, SILT.  Wet, very soft, dark brown, SILT.  Wet, very soft, dark brown, SILT, slight petroleum-like odor.  Wet, very soft, black, SILT, slight petroleum-like odor.  Wet, very soft, black, SILT, slight petroleum-like odor.  Wet, very soft, black, SILT, slight petroleum-like odor.	Method  Vibracore  Vibracore  Vibracore  Vibracore  Vibracore  Vibracore  Vibracore  Vibracore	Stratum
0		OL-1240-04 OL-1240-05 OL-1240-06 OL-1240-07 OL-1240-09	0.0 0.0 0.0 0.0 0.0 0.0 0.0	ML ML ML ML ML	Wet, very soft, dark brown, SILT. Wet, very soft, dark brown, SILT. Wet, very soft, dark brown, SILT, slight petroleum-like odor. Wet, very soft, black, SILT, slight petroleum-like odor. Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore Vibracore Vibracore Vibracore Vibracore	
		OL-1240-05 OL-1240-06 OL-1240-07 OL-1240-08 OL-1240-09	0.0 0.0 0.0 0.0 0.0	ML ML ML ML	Wet, very soft, dark brown, SILT.  Wet, very soft, dark brown, SILT, slight petroleum-like odor.  Wet, very soft, black, SILT, slight petroleum-like odor.  Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore Vibracore Vibracore Vibracore	
		OL-1240-06 OL-1240-07 OL-1240-08 OL-1240-09	0.0 0.0 0.0 0.3	ML ML ML	Wet, very soft, dark brown, SILT, slight petroleum-like odor.  Wet, very soft, black, SILT, slight petroleum-like odor.  Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore Vibracore Vibracore	
		OL-1240-07 OL-1240-08 OL-1240-09	0.0 0.0 0.3	ML ML	Wet, very soft, black, SILT, slight petroleum-like odor. Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore Vibracore	
		OL-1240-08 OL-1240-09	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
+		OL-1240-09	0.3			_	
+		54 - 12 TA		ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1240-10	0.2				
#			4	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1240-12	0.4	ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	Silt
		OL-1240-13	0.1	ML	Wet, soft, black, SILT, slight petroleum-like odor.	Vibracore	
5		OL-1240-14	0.0	ML	Wet, medium stiff, brown, SILT and Clay, slight petroleum-like odor.	Vibracore	
		OL-1240-15	0.1	CL	Wet, medium stiff, brown, CLAY and Silt, slight petroleum-like odor.	Vibracore	
		OL-1240-16	0.2	CL	Wet, medium stiff, brown, CLAY and Silt, slight sulfur like odor.	Vibracore	Clay
+ -		OL-1240-17	0.1	CL	Wet, stiff, medium brown, CLAY, some silt, trace shells, sulfur like odor.	Vibracore	Marl

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20205

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sun

Northing: 1119591.10

Driller: Anchor QEA

Water Elev: 362.5 Ft

Easting: 922106.70

Logging Company: PARSONS

Attempts: 1

Mud Line: 334.3 Ft

Geologist: H. PHILIP

Depth Units: Ft

Surface Water Depth: 28.2 Ft

Penetration Depth: 12.00

Depth	8	Sample	PID	USCS	0.115	Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
)		OL-1212-10	0.0	ML	Wet, soft, grey brown, SILT, trace fine sand, organic odor.	Vibracore	
		OL-1212-11	0.1	ML	Wet, soft, grey brown, SILT, trace fine sand, organic odor.	Vibracore	
		OL-1212-12	0.1	ML	Wet, soft, grey brown, SILT, trace fine sand, organic odor.	Vibracore	
		OL-1212-13	0.0	ML	Wet, soft, grey brown, SILT, trace fine sand, organic odor.	Vibracore	
-		OL-1212-14	0.2	ML	Wet, soft, black, SILT, petroleum-like odor.	Vibracore	
		OL-1212-15	0.0	ML	Wet, soft, black, SILT, petroleum-like odor.	Vibracore	
		OL-1212-16	0.2	ML	Wet, soft, black, SILT, petroleum-like odor.	Vibracore	
					The state of the s		Cill
		OL-1212-17	0.5	ML	Wet, soft, black, SILT, strong organic odor.	Vibracore	Silt
		OL-1212-18	1.7	ML	Wet, soft, black, SILT, strong organic odor, visible sheen.	Vibracore	
		OL-1212-19	6.1	ML	Wet, soft, grey brown, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Vibracore	Marl
							iviail

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20205

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sun

Northing: 1119591.10

Easting: 922106.70

Mud Line: 334.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H. PHILIP

Penetration Denth: 12 00

Water Elev: 362.5 Ft

Depth Units: Ft

Attempts: 1

oundoo		Depth: 28.2 F	1 16	Cuation	Depth: 12.00 Core Recovery Depth: 10.80		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1212-20	0.1	ML	Moist, soft, brown, SILT, little shells, sufur odor.	Vibracore	
		OL-1214-01	1.6	ML	Moist, soft, brown, SILT, little shells, sufur odor.	Vibracore	
-							Marl
		OL-1214-03	1.0	ML	Moist, soft, brown. SILT, little shells, sufur odor.	Vibracore	
9.5		OL-1214-04	0.2	ML	Wet, soft, grey, SILT, little clay, trace shells, sufur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30176

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1120436.41

Easting: 921271.77

Mud Line: 343 Ft

Lasuriy. 92 (27 1.77

Surface Water Depth: 19.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 12.00 Core Recovery Depth: 11.10

Water Elev: 362.5 Ft

Attempts: 1

Depth	8	Sample	PID	USCS	The second secon	Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1263-12	0.0	MĹ	Wet, dark gray, SILT, trace, solvay waste cementations, petroleum-like odor.	Vibracore	
		OL-1263-13	0.0	ML	Wet, dark gray, SILT, trace, solvay waste cementations, petroleum-like odor. Wet, soft, gray, silt-like grains on bottom half.	Vibracore	
		OL-1263-14	0.0	solw		Vibracore	
		OL-1263-15	0.0	solw	Wet, soft, gray, silt-like grains on bottom half.	Vibracore	
		OL-1263-16	0.0	solw	Wet, soft, gray, silt-like grains on bottom half.	Vibracore	
		OL-1263-17	0.0	solw	Wet, soft, gray, silt-like grains, sulfur odor.	Vibracore	
		OL-1263-18	0.0	SOLW	Wet, soft, gray, silt-like grains, sulfur odor.	Vibracore	
		OL-1263-19	0.0	SOLW	Wet, soft, light gray, silt-like grains, sulfur odor.	Vibracore	Solvay Waste
		OL-1263-20	0.0	SOLW	Wet, soft, light gray, silt-like grains, sulfur odor.	Vibracore	
		OL-1264-01	0.0	SOLW	Wet, soft, greenish gray, silt-like grains, sulfur odor.	Vibracore	
						7.5.00.0	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30176

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1120436.41 Easting: 921271.77

Driller: Anchor QEA

Water Elev: 362.5 Ft

Mud Line: 343 Ft

Logging Company: PARSONS

Attempts: 1

Geologist: M. VETTER

Depth Units: Ft

Surface Water Depth: 19.5 Ft

Penetration Depth: 12.00 Core Recovery Depth: 11.10

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
		OL-1264-02	0.0	SOLW	Wet, soft, light gray, silt-like grains, sulfur odor.	Vibracore	
-		OL-1264-03	0.0	SOLW	Wet, soft, light gray, silt-like grains, sulfur odor.	Vibracore	
							Solvay Waste
		OL-1264-04	0.0	SOLW	Wet, soft, light gray-green, silt-like grains, sulfur odor.	Vibracore	
		OL-1264-05	0.0	SOLW	Wet, soft, light gray-green, silt-like grains, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 10.40

Boring No: OL-VC-30177

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1120637.38

Easting: 921271.52

Mud Line: 339.3 Ft Surface Water Depth: 23.2 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1264-06	0.3	ML	Wet, soft, black, SILT.	Vibracore	
		OL-1264-07	0.0	ML	Wet, soft, black, SILT, concretions.	Vibracore	Silt
		OL-1264-08	0.1	ML	Wet, soft, black, SILT, concretions.	Vibracore	
		OL-1264-09	0.1	SOLW	Wet, soft, green-gray, silt-like grains.	Vibracore	
		OL-1264-10	0.0	SOLW	Wet, soft, green-gray, silt-like grains.	Vibracore	
		OL-1264-11	0.1	SOLW	Wet, soft, green-gray, silt-like grains.	Vibracore	
		OL-1264-12	0.0	SOLW	Wet, soft, green-gray, silt-like grains.	Vibracore	
		OL-1264-13	0.0	SOLW	Wet, soft, gray and dark gray, silt-like grains, concretions throughout, mothball odor.	Vibracore	
		OL-1264-15	0.0	SOLW	Wet, soft, light gray, silt-like grains, concretions, mothball odor.	Vibracore	Solvay Wast
		OL-126 <b>4</b> -16	0.0	SOLW	Wet, soft, light gray, silt-like grains, concretions, mothball odor.	Vibracore	
$\prod$							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30177

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1120637.38 Easting: 921271.52

Driller: Anchor QEA

Water Elev: 362.5 Ft

Mud Line: 339.3 Ft

Logging Company: PARSONS

Attempts: 1 Depth Units: Ft

Surface Water Depth: 23.2 Ft

Geologist: M. VETTER Penetration Depth: 12.00

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft 5	æ	ID OL-1264-17	(ppm) 0.1	SOLW	Wet, soft, light gray-green, silt-like grains, concretions, mothball odor.	Method  Vibracore	ouatam
		OL-1264-18	0.0	SOLW	Wet, soft, light gray, silt-like grains, concretions, mothball odor.	Vibracore	
							Solvay Waste
		OL-1264-19	0.0	SOLW	Wet, soft, light gray, silt-like grains, concretions, mothball odor.	Vibracore	
		OL-1264-20	0.0	SOLW	Wet, soft, green-gray, silt-like grains, concretions, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30178

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny.

Northing: 1120430.18

Easting: 921380.01

Mud Line: 336.2 Ft Surface Water Depth: 26.3 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	ď	ID	(ppm)	Code	Wet, very soft, dark brown, SILT.	Method	Stratum
0		OL-1248-12	0.0	ML	vvet, very sort, dark brown, SiL1.	Vibracore	
		OL-1248-13	0.0	ML	Wet, very soft, dark brown, SILT.	Vibracore	
		OL-1248-14	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1248-15	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
1		OL-1248-16	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1248-17	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1248-18	0.0	ML	Wet, very soft, black, SILT, slight petroleum like odor.	Vibracore	Silt
		OL-1248-19	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1248-20	0.0	ML	Wet, very soft, green to gray, SILT and silt-like grains, chemical-like odor.	Vibracore	
		OL-1249-01	0.0	SOLW	Wet, soft, white, silt-like grains, cemented chunks throughout, chemical-like odor.	Vibracore	Solvay Waste
<u> </u>							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30178

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny.

Northing: 1120430.18 Easting: 921380.01 Driller: Anchor QEA

Water Elev: 362.5 Ft

Mud Line: 336.2 Ft

Logging Company: PARSONS Geologist: A. MENGES Attempts: 1
Depth Units: Ft

Surface Water Depth: 26.3 Ft

Penetration Depth: 12.00

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft 5	ж	ID OL-1249-02	(ppm) 0.0	SOLW	Wet, soft, gray to white, silt-like grains, cemented chunks throughout, chemical-like odor.	Method  Vibracore	Stratum
		OL-1249-03	0.0	SOLW	Wet, soft, gray to white, silt-like grains, cemented chunks throughout, chemical-like odor.	Vibracore	
							Solvay Waste
		OL-1249-04	0.0	SOLW	Wet, soft, white, sIt-like grains, cemented chunks throughout, chemical-like odor.	Vibracore	
+		OL-1249-05	0.0	SOLW	Wet, soft, gray to white, silt-like grains, cemented chunks throughout, chemical-like odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30179

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny.

Northing: 1120617.37

Easting: 921351.93 Mud Line: 335.7 Ft

Driller: NA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 1

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
):		OL-1247-17	0.0	ML	Wet, very soft, dark brown, SILT.	Vibracore	
		OL-1247-18	0.0	ML	Wet, very soft, dark brown, SILT, slight petroleum-like odor.	Vibracore	
		OL-1247-19	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1247-20	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1248-01	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1248-02	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
Ц		OL-1248-03	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	Silt
		OL-1248-04	0.0	ML	Wet, very soft, black, SILT, trace organic material, slight petroleum-like odor.	Vibracore	
		OL-1248-06	0.0	ML	Wet, soft, light to dark gray, SILT, trace organic material, slight chemical-like odor.	Vibracore	
		OL-1248-07	0.0	SOLW	Wet, very soft, white to green, silt-like grains, some sand-like grains, chemical-like odor.	Vibracore	Solvay

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30179

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny.

Northing: 1120617.37

Easting: 921351.93

Mud Line: 335.7 Ft

Driller: NA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 1

Depth	Sample	PID	USCS		Sample		
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratun
		OL-1248-08	0.0	SOLW	Wet, very soft, white to gray, silt-like grains, some sand-like grains, chemical-like odor.	Vibracore	
		OL-1248-09	0.0	SOLW	Wet, very soft, white to green, silt-like grains, some sand-like grains, chemical-like odor.	Vibracore	
-		1					Solvay
+		OL-1248-10	0.0	SOLW	Wet, very soft, green, silt-like grains, chemical-like odor.	Vibracore	
		OL-1248-11	0.0	ML	Wet, soft, black, SILT, little fine sand, slight chemical-like odor.	Vibracore	Silt

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30180

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny.

Northing: 1120815.12

Easting: 921272.41

Mud Line: 334.4 Ft

Surface Water Depth: 28.1 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 1

Depth	6	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratun
)		OL-1249-06	0.0	MĹ	Wet, very soft, dark brown, SILT.	Vibracore	
		OL-1249-07	0.0	ML	Wet, very soft, dark brown, SILT.	Vibracore	
		OL-1249-08	0.0	ML	Wet, very soft, black, SILT.	Vibracore	
		OL-1249-09	0.0	ML	Wet, very soft, black, SILT.	Vibracore	
		OL-1249-10	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1249-11	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	Silt
		OL-1249-12	0.0	ML	Wet, very soft, dark gray, SILT, slight petroleum-like odor.	Vibracore	
		OL-1249-13	0.0	ML	Wet, very soft, green to gray, SILT and silt-like grains, chemical-like odor.	Vibracore	
		OL-1249-15	0.0	SOLW	Wet, very soft, green to gray, silt-like grains, chemical-like odor.	Vibracore	
_					Wet, very soft, green to gray, silt-like grains, chemical-like		Solvay
		OL-1249-16	0.0	SOLW	odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30180

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny.

Northing: 1120815.12

Easting: 921272.41

Mud Line: 334.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 1

epth Ft	Recov	Sample ID	PID	USCS Code	Soil Description	Sample Method	Stratum
rt .		OL-1249-17	(ppm) 0.0	SOLW	Wet, very soft, green, silt-like grains, trace sand-like grains, chemical-like odor.	Vibracore	
-					Wet, very soft, green, silt-like grains, trace sand-like grains,		Solvay
		OL-1249-18	0.0	SOLW	chemical-like odor.	Vibracore	
	1	OL-1249-19	0.0	ML	Wet, soft, black, SILT, trace clay, chemical-like odor.	Vibracore	
-							
							Silt
		OL-1249-20	0.0	ML	Wet, medium stiff, brown, SILT and Clay, slight chemical-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 9.50

Boring No: OL-VC-40287

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126028.20

Easting: 914473.14

Mud Line: 361.6 Ft

Surface Water Depth: 0.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 11.50

Water Elev: 362.5 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS	0.00	Sample	<b>.</b> .
Ft.	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1262-17	0.0	sw	Wet, loose, gray, fine to medium SAND, little silt, trace fine subangular gravel, shells, zebra mussels, little organics, organic and sulfur odors.	Vibracore	Sand
		OL-1262-18	0.0	ML	Wet, soft, light gray, SILT, trace fine sand, little shells, little organics, sulfur odor, zebra mussels.	Vibracore	
		OL-1262-19	0.0	ML	Wet, soft, light gray, SILT, trace fine sand, little shells, little organics, sulfur odor, zebra mussels.	Vibracore	
		OL-1262-20	0.0	ML	Wet, soft, light gray, SILT, trace fine sand, little shells, little organics, sulfur odor, little oncolites, zebra mussels.	Vibracore	
-		OL-1263-01	0.0	ML	Wet, soft, gray, SILT, some fine to medium sand, little oncolites, little shells, trace organics, sulfur odor.	Vibracore	
	П	OL-1263-02	0.0	ML	Wet, soft, gray, SILT, some fine to medium sand, little oncolites, little shells, trace organics, sulfur odor.	Vibracore	
		OL-1263-03	0.0	ML	Wet, soft, gray, SILT, some fine to medium sand, little oncolites, little shells, trace organics, sulfur odor.	Vibracore	
		OL-1263-04	0.0	ML	Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Vibracore	
					Wet, soft, gray, SILT, little fine sand, little shells, trace		Marl
		OL-1263-06	0.0	ML	oncolites, sulfur odor.	Vibracore	
					Wet, soft, gray, SILT, some fine sand concretions, little		
		OL-1263-07	0.0	ML	shells, sulfur odor.	Vibracore	
<sub>5</sub>			.L]		L		. – – – – .

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40287

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126028.20

Easting: 914473.14

Surface Water Depth: 0.9 Ft

Mud Line: 361.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 11.50

Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 9.50

epth	Recov	Sample	PID	USCS		Sample	<b>.</b>
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
		OL-1263-08	0.0	ML	Wet, soft, gray, SILT, sulfur odor.	Vibracore	
-		OL-1263-09	0.0	ML	Wet, soft, gray, SILT, sulfur odor.	Vibracore	
							Marl
		OL-1263-10	0.0	ML	Wet, soft, gray, SILT, sulfur odor.	Vibracore	Mari
.5		OL-1263-11	0.0	ML	Wet, soft, gray, SILT, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 10.00

Boring No: OL-VC-40288

Date: 06/04/2010

Weather: Low 80s ,winds NW 0-10mph, mix sun & clouds

Northing: 1125970.05

Easting: 914544.74

Mud Line: 361.4 Ft Surface Water Depth: 1.1 Ft Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 11.50

Water Elev: 362.5 Ft

Attempts: 1

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1260-01	0.0	ML	Wet, soft, gray, SiLT, little fine sand, trace shells, trace organics, sulfur odor.	Vibracore	
		OL-1260-02	0.0	ML	Wet, soft, gray, SILT, little fine sand, trace shells, trace organics, trace oncolites, sulfur odor.	Vibracore	
	Н	OL-1260-03	0.0	ML	Wet, soft, gray, SILT, some fine sand, little oncolites, trace shells, sulfur odor.	Vibracore	
		OL-1260-04	0.0	ML	Wet, soft, gray, SILT, some fine sand, little oncolites, trace shells, sulfur odor.	Vibracore	
		OL-1260-05	0.0	ML	Wet, soft, gray, SILT, some fine sand, little oncolites, trace shells, sulfur odor.	Vibracore	
		OL-1260-06	0.0	ML	Wet, soft, gray, SILT, some fine sand, little oncolites, trace shells, sulfur odor.	Vibracore	
		OL-1260-07	0.0	ML	Wet, soft, gray, SILT, some fine sand, little oncolites, trace shells, sulfur odor.	Vibracore	
		OL-1260-08	0.0	ML	Wet, soft, gray, SiLT, trace fine sand, little shells, trace organics, slight sulfur odor.	Vibracore	Marl
		OL-1260-10	0.0	ML	Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, slight sulfur odor.	Vibracore	
-		OL-1260-11	0.0	ML	Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, slight sulfur odor.	Vibracore	

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40288

Date: 06/04/2010

Weather: Low 80s ,winds NW 0-10mph, mix sun & clouds

Northing: 1125970.05 Easting: 914544.74 **Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Mud Line: 361.4 Ft

Logging Company: PARSONS Geologist: M. VETTER

Attempts: 1
Depth Units: Ft

Surface Water Depth: 1.1 Ft

Penetration Depth: 11.50

Core Recovery Depth: 10.00

Depth	ò	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1260-12	0.0	ML	Wet, soft, gray, SILT, little fine sand, little shells, trace organics, slight sulfur odor, marl.	Vibracore	
-		OL-1260-13	0.0	ML	Wet, soft, gray, SILT, little fine sand, little shells, trace organics, slight sulfur odor, marl.	Vibracore	
							Marl
-		OL-1260-14	0.0	ML	Wet, soft, gray, SILT, little fine sand, little shells, trace organics, slight sulfur odor, marl.	Vibracore	
		OL-1260-15	0.0	ML	Wet, soft, gray, SILT,trace fine sand, little shells, trace organics, slight sulfur odor, marl.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40289

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1125921.45

Easting: 914566.37

Mud Line: 361.4 Ft Surface Water Depth: 1.1 Ft **Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 11.50 Core Recovery Depth: 9.30

Water Elev: 362.5 Ft

Attempts: 2

vvaler	Depth: 1.1 Ft	Pe	netration	Depth: 11.50 Core Recovery Depth: 9.30		
Recov	Sample	PID (ppm)	USCS	Soil Description	Sample	Stratum
	OL-1262-02	0.0	Fill	Wet, loose, dark gray, fine to coarse SAND, little fine subangular gravel, trace organics, trace shells. organic odor (slag).	Vibracore	Fill
	OL-1262-03	0.0	sw	Wet, loose, dark gray, fine to coarse SAND, little fine subangular gravel, trace organics, trace shells. organic odor, zebra mussels.	Vibracore	
М	OL-1262-04	0.0	SM	Wet, loose, dark gray fine to medium SAND, some silt, little organics, little shells, organic odor, sulfur odor, transmarl.	Vibracore	Sand
П	OL-1262-05	0.0	ML	Wet, soft, gray, gray-brown, SILT, some fine sand, little shells, sulfur odor, glass piece.	Vibracore	
	OL-1262-06	0.1	ML	Wet, soft, gray, SILT, trace fine sand and little shells, trace organics, sulfur odor.	Vibracore	
П	OL-1262-07	0.0	ML	Wet, soft, gray, SILT, trace fine sand and little shells, trace organics, sulfur odor.	Vibracore	
	OL-1262-08	0.0	ML	Wet, soft, gray, SILT, trace fine sand, little shells, and organics, sulfur odor.	Vibracore	
	OL-1262-09	0.0	SM	Wet, loose, gray, fine to medium SAND, some silt, some oncolites, little shells, sulfur odor.	Vibracore	
	OL-1262-11	0.0	ML	Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Vibracore	Marl
	OL-1262-12	0.0	ML	Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Vibracore	
	Recov	Sample ID  OL-1262-02  OL-1262-03  OL-1262-04  OL-1262-06  OL-1262-07  OL-1262-07  OL-1262-09  OL-1262-11	Sample   PID (ppm)	Sample   PID   USCS   Code	Sample ID (ppm) Code Soil Description  OL-1262-02 0.0 Fill Wet, loose, dark gray, fine to coarse SAND, little fine subangular gravel, trace organics, trace shells, organic odor (slag).  OL-1262-03 0.0 SW Wet, loose, dark gray, fine to coarse SAND, little fine subangular gravel, trace organics, trace shells, organic odor, cebra mussels.  OL-1262-04 0.0 SM Wet, loose, dark gray fine to medium SAND, some slit, little organics, little shells, organic odor, suffur odor, transmart.  Wet, soft, gray, gray-brown, SILT, some fine sand, little shells, shells, suffur odor, gray, SILT, trace fine sand and little shells, trace organics, sulfur odor.  OL-1262-06 0.1 ML trace organics, sulfur odor.  OL-1262-07 0.0 ML Wet, soft, gray, SILT, trace fine sand and little shells, trace organics, sulfur odor.  OL-1262-08 0.0 ML Wet, soft, gray, SILT, trace fine sand, little shells, and organics, sulfur odor.  Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor.  OL-1262-09 0.0 SM  Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor.  Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor.  Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor.  Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Sample (ppm) (code (ppm)

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40289

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1125921.45

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Easting: 914566.37

Logging Company: PARSONS

Attempts: 2

Mud Line: 361.4 Ft

Geologist: M. VETTER

Depth Units: Ft

Surface Water Depth: 1.1 Ft

Penetration Depth: 11.50

Core Recovery Depth: 9.30

Depth	Recov	Sample	PID	USCS		Sample	1
Ft	&	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1262-13	0.0	ML	Wet, soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Vibracore	
		OL-1262-14	0.0	ML	Wet, soft, gray, SILT, little fine sand, trace oncolites, trace shells, sulfur odor.	Vibracore	
							Marl
		OL-1262-15	0.0	ML	Wet, soft, gray, SILT, trace fine sand, trace shells, sulfur odor.	Vibracore	
9.3		OL-1262-16	_	ML	No sample	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 6.60

Boring No: OL-VC-40289A

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1125921.45

Easting: 914566.37

Mud Line: 361.4 Ft

Surface Water Depth: 1.1 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 11.50

Water Elev: 362.5 Ft

Attempts: 1

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1260-16	0.0	ML	Wet, soft, gray-brown, SILT, trace fine sand, trace shells, trace organics, sulfur odor.	Vibracore	
		OL-1260-17	0.0	ML	Wet, soft, gray-brown, SILT, trace fine sand, trace shells, trace organics, trace oncolites, sulfur odor.	Vibracore	
		OL-1260-18	0.0	ML	Wet, soft, gray-brown, SILT, little fine sand, trace shells, trace organics, trace oncolites, sulfur odor.	Vibracore	
	П	OL-1260-19	0.0	ML	Wet, soft, gray-brown, SILT, some fine sand, trace shells, trace organics, little oncolites, sulfur odor.	Vibracore	
	П	OL-1260-20	0.0	ML	Wet, soft, gray-brown, SILT, some fine sand, trace shells, trace organics, sulfur odor.	Vibracore	
		OL-1261-01	0.0	ML	Wet, soft, gray-brown, SILT, some fine sand, trace shells, trace organics, sulfur odor.	Vibracore	
		OL-1261-02	0.0	ML	Wet, soft, gray-brown, SILT, some fine sand, little oncolites, trace shells, trace organics, sulfur odor.	Vibracore	
- 1.4							
		OL-1261-03	0.0	ML	Wet, soft, gray-brown, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Vibracore	
							Marl
		OL-1261-05	0.0	ML	Wet, soft, gray-brown, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Vibracore	
		OL-1261-06	0.0	ML	Wet, soft, gray-brown, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Vibracore	
5 +		OL-1261-07	0.0	ML	Wet, soft, gray-brown, SILT, trace fine sand, little shells, trace organics, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40290

Date: 06/08/2010

Weather: Low 70s, winds W-NW 10-20mph, showers

Northing: 1125890.20

Easting: 914667.18

Mud Line: 343.2 Ft

Surface Water Depth: 20 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 10.00

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

10.00 Core Recovery Depth: 10.00

epth	Recov	Sample	PID	USCS		Sample	<b>.</b> .
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
		OL-1270-16	0.4	ML	Wet, soft, light gray, SILT, some fine to coarse sand and fine to coarse gravel, trace shells, sulfur odor.	Vibracore	
		OL-1270-17	0.5	ML	Wet, soft, light brown, SILT, some fine to coarse sand, trace fine to coarse gravel, trace shells, sulfur odor.	Vibracore	Silt
		OL-1270-18	1.0	ML	Wet, soft, light brown, SILT, some fine to coarse sand, trace shells, sulfur odor.	Vibracore	
		OL-1270-19	3.3	ML	Wet, soft, light brown, SILT, little fine sand, trace shells, sulfur like odor.	Vibracore	
10.75		OL-1270-20	0.7	ML	Wet, soft, light brown, SILT, fine to coarse sand, little fine to coarse gravel, trace organic material, little shells, sulfur odor.	Vibracore	
		OL-1271-01	0.5	ML	Wet, soft, light brown, SILT, fine to coarse sand, little fine to coarse gravel, trace organic material, little shells, sulfur odor.	Vibracore	
		OL-1271-02	0.7	ML	Wet, soft, light brown, SILT, some fine to coarse sand, little shells, sulfur odor.	Vibracore	
Į.	1 3				Wet, soft, light brown, SILT, some fine to coarse sand, little		
		OL-1271-03	2.1	ML	shells, sulfur odor.	Vibracore	
							Marl
		OL-1271-05	2.5	ML	Wet, soft, light brown, SILT, some fine to coarse sand, little shells, sulfur odor.	Vibracore	
†		OL-1271-06	0.8	ML	Wet, soft, light brown, SILT, some fine to coarse sand, little shells, sulfur odor.	Vibracore	
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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40290

Date: 06/08/2010

Weather: Low 70s, winds W-NW 10-20mph, showers

Northing: 1125890.20 Easting: 914667.18 **Driller: Atlantic Testing** 

Water Elev: 363.2 Ft

Mud Line: 343.2 Ft

Logging Company: PARSONS

Attempts: 1
Depth Units: Ft

Surface Water Denth: 20 Ft

Geologist: M. VETTER
Penetration Depth: 10.00

Core Recovery Depth: 10.00

epth	Recov	Sample	PID	USCS		Sample	_
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
		OL-1271-07	4.9	ML	Wet, soft, light brown, SILT, some fine to coarse sand, little shells, sulfur odor.	Vibracore	
		OL-1271-09	1.1	ML	Wet, soft, light brown, SILT, some fine to coarse sand, little shells, sulfur odor.	Vibracore	
							Marl
-		OL-1271-08	1.1	ML	Wet, soft, light brown, SILT, some fine to coarse sand, little shells, sulfur odor.	Vibracore	Wall
-					Wet, soft, light brown, SILT, some fine to coarse sand, little shells, sulfur odor.		
<u></u>		OL-1271-10	7.1	ML		Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40291

Date: 06/08/2010

Weather: Low 70s, winds W-NW 10-20mph, showers

Northing: 1125901.01 Easting: 914752.71 Mud Line: 347.2 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 11.00

Water Elev: 363.2 Ft

Attempts: 3 Depth Units: Ft

Surface Water Depth: 16 Ft Core Recovery Depth: 7.50 Recov Depth PID USCS Sample Sample Soil Description Stratum Code Method Ft ID (ppm) Wet, soft, dark gray, SILT. 0 OL-1271-11 0.1 ML Vibracore Wet, soft, dark gray, SILT, trace organic material. ML 0.5 OL-1271-12 Vibracore Wet, soft, dark gray, SILT, little fine sand, trace cemented ML OL-1271-13 0.5 Vibracore chunks, slight petroleum odor. Wet, soft, light gray, SILT and fine to coarse sand, some Silt ML 0.5 OL-1271-14 Vibracore cemented chunks, slight sulfur odor. Wet, soft, light gray, SILT, some fine to coarse sand, trace ML OL-1271-15 0.5 Vibracore cemented chunks, sulfur odor. Wet, soft, light gray, SILT, some fine to coarse sand, sulfur ML 0.5 OL-1271-16 Vibracore odor. Wet, soft, light gray, SILT, some fine to coarse sand, trace OL-1271-17 0.5 ML Vibracore Wet, soft, light gray, SILT, some fine to coarse sand, little shells, sulfur odor. OL-1271-18 0.8 ML Vibracore Wet, soft, light brown, SILT and fine to coarse sand, trace shells, sulfur like odor. OL-1271-19 0.8 ML Vibracore Marl Wet, soft, light brown, SILT and fine to coarse sand, trace shells, sulfur like odor, little cemented chunks, 1.3 ML OI -1271-20 Vibracore 5 Wet, soft, light brown, SILT and fine to coarse sand, trace shells, sulfur like odor ML OL-1272-01 1.6 Vibracore Wet, soft, light brown, SILT and fine to coarse sand, trace shells, sulfur like odor 0.9 ML OL-1272-02 Vibracore

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#### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40292

Date: 06/08/2010

Weather: Low 70s, winds W-NW 10-20mph, showers.

Northing: 1125987.61 Easting: 915085.39

**Driller: Atlantic Testing** Logging Company: PARSONS Water Elev: 363.2 Ft

Mud Line: 353.2 Ft

Attempts: 3

Geologist: M. VETTER

Depth Units: Ft

Surface Water Depth: 10 Ft

Penetration Depth: 11.00 Core Recovery Depth: 8.50

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
)		OL-1272-03	0.6	ML	Wet, stiff, light to dark gray, SILT, some organic material.	Vibracore	
		OL-1272-04	0.7	ML	Wet, stiff, light to dark gray, SILT, some organic material, trace Phragmites.	Vibracore	
		OL-1272-05	0.7	ML	Wet, stiff, light to dark gray, SILT, some organic material.	Vibracore	
		OL-1272-06	0.6	ML	Wet, stiff, light to dark gray, SILT, some organic material, trace Phragmites.	Vibracore	
		OL-1272-07	1.0	ML	Wet, stiff, light to dark gray, SILT, some organic material, trace Phragmites.	Vibracore	
	П	OL-1272-08	0.7	ML	Wet, stiff, light to dark gray, SILT, some organic material, trace Phragmites.	Vibracore	
		OL-1272-09	0.7	ML	Wet, soft, dark gray, SILT, trace organic material.	Vibracore	
		OL-1272-10	0.7	ML	Wet, soft, dark gray, SILT, trace organic material.	Vibracore	Silt
		OL-1272-12	0.7	ML	Wet, soft, dark gray, SILT, trace organic material.	Vibracore	
		OL-1272-13	0.3	ML	Wet, soft, dark gray, SILT, trace organic material, trace phragmites.	Vibracore	
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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 8.50

Boring No: OL-VC-40292

Date: 06/08/2010

Weather: Low 70s, winds W-NW 10-20mph, showers.

Northing: 1125987.61 Easting: 915085.39 Mud Line: 353.2 Ft **Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: M. VETTER

Surface Water Depth: 10 Ft Penetration Depth: 11.00

OL-1272-16

0.1

 $\mathsf{ML}$ 

Water Elev: 363.2 Ft

Attempts: 3
Depth Units: Ft

Vibracore

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1272-14	0.8	ML	Wet, soft, dark gray, SILT.	Vibracore	
72		OL-1272-15	0.1	ML	Wet, soft, dark gray, SILT.	Vibracore	
-							Silt
					Wet, soft, dark gray, SILT.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40293

Date: 06/08/2010

Weather: Low 70s, winds W-NW 10-20mph, showers.

Northing: 1125940.14 Easting: 915095.28 Driller: Atlantic Testing

Water Elev: 363.2 Ft

Mud Line: 339.2 Ft

Logging Company: PARSONS Geologist: M. VETTER Attempts: 3
Depth Units: Ft

Surface Water Depth: 24 Ft

Penetration Depth: 11.00

Core Recovery Depth: 7.60

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
)		OL-1273-01	0.9	ML	Wet, medium stiff, dark gray, SILT, trace fine sand.	Vibracore	
		OL-1273-02	0.6	ML	Wet, medium stiff, dark gray, SILT, trace fine sand, trace organic material.	Vibracore	
		OL-1273-03	0.7	ML	Wet, medium stiff, dark gray, SILT, trace fine sand.	Vibracore	
		OL-1273-04	0.6	ML	Wet, medium stiff, dark gray, SILT.	Vibracore	
		OL-1273-05	1.0	ML	Wet, very soft, dark gray, SILT.	Vibracore	
		OL-1273-06	0.7	ML	Wet, very soft, gray, SILT.	Vibracore	
		OL-1273-07	0.7	ML	Wet, very soft, gray, SILT.	Vibracore	
		OL-1273-08	0.9	ML	Wet, very soft, gray, SILT, trace fine sand.	Vibracore	Silt
		OL-1273-10	0.9	ML	Wet, very soft, gray, SILT.	Vibracore	
			-		Wet, very soft, gray, SILT, trace fine sand.		
		OL-1273-11	0.7	ML		Vibracore	

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40293

Date: 06/08/2010

Weather: Low 70s, winds W-NW 10-20mph, showers.

Northing: 1125940.14 Easting: 915095.28

Logging Company: PARSONS

Water Elev: 363.2 Ft

Mud Line: 339.2 Ft

Attempts: 3

Geologist: M. VETTER

**Driller: Atlantic Testing** 

Depth Units: Ft

Surface Water Depth: 24 Ft

Penetration Depth: 11.00 Core Recovery Depth: 7.60

Depth Ft	Recov	Sample ID	PID (nnm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1273-12	(ppm) 0.7	ML	Wet, very soft, gray, SILT, some fine sand.	Vibracore	
		OL-1273-13	0.0	ML	Wet, very soft, gray, SILT, some fine sand.	Vibracore	Silt
_							
7.6							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40294

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1126048.66

Mud Line: 359.5 Ft

Easting: 915333.50

Surface Water Depth: 3 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 12.00 Core Recovery Depth: 7.60

Water Elev: 362.5 Ft

Attempts: 3
Depth Units: Ft

Recov Depth Sample PID USCS Sample Soil Description Stratum Ft ID Code Method (ppm) Wet, soft, dark gray, SILT, trace organic material. ML OL-1238-16 0.0 Vibracore Wet, soft, dark gray, SILT, trace organic material. ML OL-1238-17 0.0 Vibracore Wet, soft, dark gray, SILT, little fine sand, trace organic 0.1 ML OL-1238-18 Vibracore material Wet, soft, dark gray, SILT, trace organic material. OL-1238-19 ML Vibracore Wet, soft, dark gray, SILT, trace fine sand. 0.2 ML OL-1238-20 Vibracore Wet, soft, dark gray, SILT, trace clay. 0.0 ML OL-1239-03 Vibracore Wet, soft, dark gray, SILT, trace clay. OL-1239-04 0.0 ML Vibracore Wet, medium stiff, dark gray, SILT, trace clay. 0.0 ML OL-1239-01 Vibracore Wet, soft, dark gray, SILT, trace clay. OL-1239-05 0.1 ML Vibracore Silt Wet, soft, dark gray, SILT, little clay. OL-1239-06 0.0 ML Vibracore 5 Wet, soft, dark gray, SILT, little clay. 0.0 ML OL-1239-07 Vibracore Wet, soft, dark gray, SILT, little clay. 0.0 ML OL-1239-08 Vibracore

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 11.10

Boring No: OL-VC-40295

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126247.49

Easting: 915578.43 Mud Line: 359.3 Ft

Surface Water Depth: 3.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

00	Sample	PID	USCS		Sample	
Re	ID	(ppm)	Code		Method	Stratum
	OL-1255-13	0.0	ML	Wet, soft, black, SILT, trace fine sand, trace organic material.	Vibracore	
	OL-1255-14	0.0	ML	Wet, soft, black, SILT, little fine sand, trace organic material.	Vibracore	
	OL-1255-15	0.0	ML	Wet, soft, black, SILT, little fine sand, trace organic material.	Vibracore	
	OL-1255-16	0.0	ML	Wet, soft, black, SILT, some fine sand.	Vibracore	
	OL-1255-17	0.0	ML	Wet, medium stiff, dark gray, SILT.	Vibracore	
	OL-1255-18	0.0	ML	Wet, medium stiff, dark gray, SILT.	Vibracore	
	OL-1255-19	0.0	ML	Wet, medium stiff, dark gray, SILT, trace clay.	Vibracore	
	OL-1255-20	0.0	ML	Wet, medium stiff, dark gray, SILT, little clay.	Vibracore	Silt
	OL-1256-01	0.0	ML	Wet, medium stiff, gray, SILT, some clay.	Vibracore	
	OL-1256-03	0.0	ML	Wet, medium stiff, light gray, SILT, some clay.	Vibracore	
	Recov	OL-1255-13  OL-1255-14  OL-1255-15  OL-1255-16  OL-1255-17  OL-1255-19  OL-1255-19  OL-1255-20	OL-1255-13	OL-1255-13	OL-1255-13  OL-1255-14  OL-1255-15  OL-1255-16  OL-1255-16  OL-1255-17  OL-1255-17  OL-1255-18  OL-1255-19  OL-1255-19  OL-1255-19  OL-1255-19  OL-1255-10  OL-125	OL-1255-13  OL-1255-14  OL-1255-15  OL-1255-16  OL-1255-17  OL-1255-18  OL-1255-19  OL-1255-19  OL-1255-19  OL-1255-19  OL-1255-10  OL-125

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#### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40295

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126247.49

Easting: 915578.43

Mud Line: 359.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Surface Water Depth: 3.2 Ft Core Recovery Depth: 11.10

Depth	Recov	Sample	PID	USCS		Sample	<b>.</b>
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1256-04	0.0	ML	Wet, medium stiff, light gray, SILT, some clay.	Vibracore	
		OL-1256-05	0.0	ML	Wet, medium stiff, dark gray, SILT, some clay.	Vibracore	
		OL-1256-06	0.0	ML	Wet, stiff, dark gray, SILT, some clay, slight petroleum-like odor.	Vibracore	Silt
		OL-1256-07	0.0	ML	Wet, stiff, light gray, SILT, some clay, slight petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40296

Date: 06/02/2010

Weather: Mid 80s, winds SW10-20mph, sunny

Northing: 1126454.99

Easting: 915595.32 Mud Line: 355.6 Ft

Surface Water Depth: 7 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 12.00 Core Recovery Depth: 11.30

Water Elev: 362.6 Ft

Depth Units: Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS	O- !! Description	Sample	Otaation
Ft	Ϋ́	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1243-02	0.0	ML	Wet, very soft, black, SILT, some organic material.	Vibracore	
		OL-1243-03	0.0	ML	Wet, very soft, black, SILT, some organic material.	Vibracore	
		OL-1243-04	0.0	ML	Wet, very soft, black, SILT, some organic material.	Vibracore	
		OL-1243-05	0.0	ML	Wet, soft, black, SILT, trace organic material.	Vibracore	
		OL-1243-06	0.0	ML	Wet, soft, black, SILT.	Vibracore	
		OL-1243-07	0.0	ML	Wet, soft, black, SILT.	Vibracore	
		OL-1243-08	0.0	ML	Wet, soft, gray, SILT.	Vibracore	
		OL-1243-09	0.1	ML	Wet, soft, gray, SILT.	Vibracore	Silt
-		OL-1243-11	0.0	ML	Wet, soft, gray, SILT, trace clay.	Vibracore	
+		OL-1243-12	0.0	ML	Wet, soft, light gray, SILT, trace clay.	Vibracore	
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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40296

Date: 06/02/2010

Weather: Mid 80s, winds SW10-20mph, sunny

Northing: 1126454.99 Easting: 915595.32 Driller: Anchor QEA

Water Elev: 362.6 Ft

Mud Line: 355.6 Ft

Logging Company: PARSONS Geologist: S. WEISHAUPT Attempts: 1
Depth Units: Ft

Surface Water Depth: 7 Ft

Penetration Depth: 12.00 Core Recovery Depth: 11.30

epth	Recov	Sample	PID	USCS	0.00	Sample	<b>.</b>
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
		OL-1243-13	0.0	ML	Wet, soft, light gray, SILT, little clay.	Vibracore	
		OL-1243-1 <mark>4</mark>	0.0	ML	Wet, soft, light brown, SILT, little clay, slight petroleum-like odor.	Vibracore	
							Silt
		OL-1243-15	0.0	ML	Wet, soft, light gray, SILT, some clay, slight petroleum-like odor.	Vibracore	
5		OL-1243-16	0.0	ML	Wet, soft, light gray, SILT, some clay, slight petroleum-like odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40296A

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126461.15

Easting: 915601.15

Mud Line: 355.5 Ft Surface Water Depth: 7 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 1

	Depth: 7 Ft			Depth: 12.00 Core Recovery Depth: 11.20		
Recov	Sample ID	1000000		Soil Description	Sample Method	Stratum
	OL-1257-02	0.0	ML	Wet, soft, black, SILT, little fine sand, little organic material.	Vibracore	
	OL-1257-03	0.0	ML	Wet, soft, black, SILT, little fine sand, little organic material.	Vibracore	
	OL-1257-04	0.0	ML	Wet, soft, black, SILT, little fine sand, little organic material.	Vibracore	
	OL-1257-05	0.0	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace organic material.	Vibracore	
	OL-1257-06	0.0	ML	Wet, soft, black, SILT, little fine sand, little organic material.	Vibracore	
	OL-1257-07	0.0	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace organic material, trace clay.	Vibracore	
	OL-1257-08	0.0	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace organic material, trace clay.	Vibracore	Silt
	OL-1257-09	0.0	ML	Wet, very soft, gray, SILT, trace fine sand, trace organic material, trace clay.	Vibracore	
	OL-1257-11	0.0	ML	Wet, very soft, gray, SILT, some clay, trace fine sand, trace organic material.	Vibracore	
	OL-1257-12	0.0	ML/CL	Wet, very soft, gray, SILT and Clay, some clay, trace fine sand, trace organic material.	Vibracore	
		_				Silt and Cla
	Recov	OL-1257-02  OL-1257-03  OL-1257-04  OL-1257-05  OL-1257-06  OL-1257-07  OL-1257-09  OL-1257-11	OL-1257-02	OL-1257-02	OL-1257-02  OL-1257-03  OL-1257-04  OL-1257-04  OL-1257-05  OL-1257-06  OL-1257-06  OL-1257-07  OL-1257-07  OL-1257-08  OL-1257-08  OL-1257-08  OL-1257-09  OL-125	OL-1257-02 0.0 ML Wet, soft, black, Sil.T, little fine sand, little organic material. Vibracore OL-1257-04 0.0 ML Wet, soft, black, Sil.T, little fine sand, little organic material. Vibracore OL-1257-05 0.0 ML Wet, very soft, dark gray, Sil.T, trace fine sand, trace organic material. Vibracore OL-1257-06 0.0 ML Wet, very soft, dark gray, Sil.T, trace fine sand, trace organic material. Vibracore OL-1257-07 0.0 ML Wet, very soft, dark gray, Sil.T, trace fine sand, trace organic material. Vibracore OL-1257-08 0.0 ML Wet, very soft, dark gray, Sil.T, trace fine sand, trace organic material, trace clay.  Wet, very soft, dark gray, Sil.T, trace fine sand, trace organic material, trace clay.  Wet, very soft, dark gray, Sil.T, trace fine sand, trace organic material, trace clay.  Wet, very soft, gray, Sil.T, trace fine sand, trace organic material, trace clay.  Wet, very soft, gray, Sil.T, trace fine sand, trace organic material, trace clay.  Wet, very soft, gray, Sil.T, some clay, trace fine sand, trace organic material, trace organic material.  Wet, very soft, gray, Sil.T, some clay, trace fine sand, trace organic material.  Wet, very soft, gray, Sil.T, some clay, trace fine sand, trace organic material.  Wet, very soft, gray, Sil.T, some clay, trace fine sand, trace organic material.

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40296A

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126461.15

Driller: Anchor QEA

Water Elev: 362.5 Ft

Easting: 915601.15 Mud Line: 355.5 Ft Logging Company: PARSONS

Attempts: 1
Depth Units: Ft

Mud Line: 355.5 Ft Surface Water Depth: 7 Ft Geologist: A. MENGES
Penetration Depth: 12.00

Core Recovery Depth: 11.20

Depth	COV	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1257-13	0.0	ML/CL	Wet, very soft, gray, SILT and Clay, trace fine sand, trace organic material.	Vibracore	
		OL-1257-14	0.0	ML/CL	Wet, very soft, light brown, SILT and Clay, trace fine sand, trace organic material.	Vibracore	
							Silt and Clay
		OL-1257-15	0.0	ML/CL	Wet, very soft, light brown, SILT and Clay, trace fine sand, trace organic material.	Vibracore	
+		OL-1257-16	0.0	ML/CL	Wet, very soft,light brown, SILT and Clay, trace fine sand, trace organic material.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40297

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, mix sun & clouds

Northing: 1126624.64

Easting: 915380.42 Mud Line: 353.1 Ft

Surface Water Depth: 9.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 12.00 Core Recovery Depth: 10.40

Water Elev: 362.6 Ft

Attempts: 1
Depth Units: Ft

8	Sample	PID	USCS		Sample	
Rec	ID	(ppm)	Code	Soil Description	Method	Stratum
	OL-1240-18	0.1	GM	Wet, very loose, dark gray, fine to coarse GRAVEL, some silt, some fine sand, trace organic material.	Vibracore	Gravel
	OL-1240-19	0.0	ML	Wet, very soft, gray, SILT, some medium to fine gravel, trace fine to coarse sand.	Vibracore	
	OL-1240-20	0.0	ML	Wet, soft, gray, SILT, trace medium to fine gravel.	Vibracore	
	OL-1241-01	0.0	ML	Wet, soft, gray, SILT.	Vibracore	
	OL-1241-02	0.1	ML	Wet, soft, light gray, SILT, trace organic material.	Vibracore	Silt
	OL-1241-03	0.3	ML	Wet, soft, dark gray, SILT, trace organic material.	Vibracore	
	OL-1241-04	0.2	ML	Wet, soft, dark gray, SILT, trace organic material.	Vibracore	
	OL-1241-05	0.0	SM	Wet, very loose, dark gray, fine to coarse SAND, some silt, trace fine gravel.	Vibracore	Sand
	OL-1241-07	0.0	ML	Wet, soft, light to dark gray, SILT, trace organic material.	Vibracore	Silt
	OL-1241-08	0.2	SM	Wet, very loose, dark gray, fine to coarse SAND, some silt and fine gravel.	Vibracore	Sand
	Recov	OL-1240-18 OL-1240-19 OL-1240-20 OL-1241-01 OL-1241-02 OL-1241-03 OL-1241-04 OL-1241-05	OL-1240-18	OL-1240-18         0.1         GM           OL-1240-19         0.0         ML           OL-1240-20         0.0         ML           OL-1241-01         0.0         ML           OL-1241-02         0.1         ML           OL-1241-03         0.3         ML           OL-1241-04         0.2         ML           OL-1241-05         0.0         SM	OL-1240-18  OL-1240-19  OL-1240-19  OL-1240-20  OL-1241-01  OL-1241-01  OL-1241-02  OL-1241-02  OL-1241-03  OL-1241-04  OL-1241-04  OL-1241-04  OL-1241-04  OL-1241-04  OL-1241-05  OL-1241-05  OL-1241-07  OL-124	Wet, very loose, dark gray, fine to coarse GRAVEL, some silt, vibracore

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 10.40

Boring No: OL-VC-40297

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, mix sun & clouds

Northing: 1126624.64

Easting: 915380.42

Mud Line: 353.1 Ft

Surface Water Depth: 9.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: S. WEISHAUPT

Penetration Depth: 12.00

Water Elev: 362.6 Ft

Attempts: 1

Depth	So	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1241-09	0.0	ML	Wet, soft, dark gray, SILT, little fine sand.	Vibracore	
		OL-1241-10	0.0	ML	Wet, soft, dark gray, SILT, little fine sand, trace clay.	Vibracore	
							Silt
		OL-1241-11	0.1	ML	Wet, soft, dark gray, SILT, little fine sand, trace clay.	Vibracore	
		OL-1241-12	0.1	ML	Wet, soft, dark gray, SILT, little fine sand, trace clay.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40297A

Date: 06/02/2010

Weather: Mids 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126631.93

Easting: 915373.25 Mud Line: 353.1 Ft

Surface Water Depth: 9.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 12.00 Core Recovery Depth: 9.50

Water Elev: 362.6 Ft

Attempts: 2
Depth Units: Ft

Depth	§ Sample	PID	USCS		Sample	_
Ft	Sample ID	(ppm)	Code	Soil Description	Method	Stratum
0	OL-1241-13	0.1	GP	Wet, very loose, dark brown, fine to coarse GRAVEL, some fine to coarse sand, little organic material.	Vibracore	Gravel
	OL-1241-14	0.1	ML	Wet, very soft, dark gray, SILT, trace medium to fine gravel, trace fine to coarse sand, trace organic material.	Vibracore	
	OL-1241-15	0.1	ML	Wet, soft, dark gray, SILT, trace fine gravel.	Vibracore	
	OL-1241-16	0.1	ML	Wet, very soft, gray, SILT.	Vibracore	
275	OL-1241-17	0.1	ML	Wet, very soft, gray, SILT.	Vibracore	
	OL-1241-18	0.1	ML	Wet, very soft, gray, SILT.	Vibracore	
	OL-1241-19	0.1	ML	Wet, very soft, gray, SILT.	Vibracore	Silt
	OL-1241-20	0.1	ML	Wet, very soft, gray, SILT.	Vibracore	
	OL-1242-01	0.0	SM	Wet, very loose, dark brown, fine to coarse SAND, little silt, trace medium to fine gravel.	Vibracore	Sand
_	OL-1242-02	0.0	ML	Wet, soft, dark gray, SILT, little fine sand, trace fine gravel.	Vibracore	
						Silt

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40297A

Date: 06/02/2010

Weather: Mids 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126631.93 Easting: 915373.25 Driller: Anchor QEA

Water Elev: 362.6 Ft

Mud Line: 353.1 Ft

Logging Company: PARSONS Geologist: S. WEISHAUPT Attempts: 2 Depth Units: Ft

Surface Water Depth: 9.5 Ft

Penetration Depth: 12.00

Core Recovery Depth: 9.50

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-124 <mark>2-</mark> 03	0.0	ML	Wet, soft, gray, SILT, trace clay.	Vibracore	
		OL-1242-04	0.0	ML	Wet, soft, gray, SILT, trace fine sand, trace clay.	Vibracore	
1							Silt
		OL-1242-05	0.1	ML	Wet, soft, gray, SILT, trace sand, trace clay.	Vibracore	
-		OL-1242-06	0.2	ML	Wet, soft, gray, SILT.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 11.50

Boring No: OL-VC-40298

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126036.61

Surface Water Depth: 4.7 Ft

Easting: 916130.62

Mud Line: 357.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratun
0		OL-1258-12	0.0	ML/SW	Wet, soft, black, SILT and fine to coarse SAND, trace shells.	Vibracore	
	ı	OL-1258-13	0.0	ML/SW	Wet, soft, light brown, SILT and fine to coarse SAND, trace medium to fine gravel, trace shells, slight sulfur-like odor.	Vibracore	
	П	OL-1258-14	0.0	ML/SW	Wet, soft, light brown, SILT and fine to coarse SAND, trace medium to fine gravel, trace shells, slight sulfur-like odor.	Vibracore	
		OL-1258-15	0.0	ML/SW	Wet, soft, light brown, SILT and fine to coarse SAND, trace medium to fine gravel, trace shells, slight sulfur-like odor.	Vibracore	
		OL-1258-16	0.0	ML/SW	Wet, soft, medium brown, SILT and fine to coarse SAND, trace medium to fine gravel, trace shells, slight sulfur-like odor.	Vibracore	
	ı	OL-1258-17	0.0	ML/SW	Wet, soft, medium brown, SILT and fine to coarse SAND, trace medium to fine gravel, trace shells, slight sulfur-like odor.	Vibracore	
		OL-1258-18	0.0	SM	Wet, medium dense, light brown, fine to medium SAND and Silt, trace shells, sulfur like odor.	Vibracore	
					Wet, medium stiff, brown, SILT, some fine sand, trace shells,		
		OL-1258-19	0.0	ML	sulfur-like odor.	Vibracore	Marl
							Maii
		OL-1258-20	0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
		OL-1259-01	0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40298

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126036.61 Easting: 916130.62 Driller: Anchor QEA

Water Elev: 362.5 Ft

Easting: 916130.62

Logging Company: PARSONS

Attempts: 1

Mud Line: 357.8 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 4.7 Ft Pen

Penetration Depth: 12.00 Core Recovery Depth: 11.50

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft 5		ID OL-1259-03	(ppm) 0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace shells, sulfur-like odor.	Method	
-		OL-1259-04	0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
							Marl
		OL-1259-05	0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
					Wet, medium stiff, brown, SILT, some fine sand, trace shells,		
		OL-1259-06	0.0	ML	sulfur-like odor.	Vibracore	

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#### Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 10.50

Boring No: OL-VC-40299

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126138.10

Easting: 916192.69 Mud Line: 357.8 Ft

Surface Water Depth: 4.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

8	Sample	PID	USCS		Sample	
Rec	ID	(ppm)	Code	Soil Description	Method	Stratum
	OL-1254-03	0.0	ML	Wet, soft, dark brown, SILT, some fine to coarse sand, trace organic material.	Vibracore	Silt
	OL-1254-04	0.0	SM	Wet, medium dense, light brown, medium to fine SAND, some silt, trace shells, slight sulfur odor.	Vibracore	
	OL-1254-05	0.0	SM	Wet, medium dense, light brown, medium to fine SAND, some silt, trace shells, slight sulfur odor.	Vibracore	
	OL-1254-06	0.0	SM	Wet, medium dense, light brown, medium to fine SAND, some silt, trace shells, slight sulfur odor.	Vibracore	
	OL-1254-07	0.0	SM	Wet, medium dense, light brown, medium to fine SAND, some silt, trace shells, slight sulfur odor.	Vibracore	
	OL-1254-08	0.0	SM	Wet, medium dense, light brown, medium to fine SAND, some silt, trace shells, slight sulfur odor.	Vibracore	
	OL-1254-09	0.0	SM	Wet, medium dense, light brown, medium to fine SAND, some silt, trace shells, slight sulfur odor.	Vibracore	
	OL-1254-10	0.0	ML	Wet, soft, light brown, SILT, little fine sand, trace shells, trace organic material, sulfur odor.	Vibracore	Marl
	OL-1254-12	0.0	ML	Wet, soft, medium brown, SILT, trace organic material.	Vibracore	
				Wet, soft, medium brown, SILT, trace organic material, trace		
	OL-1254-13	0.0	ML	sneils.	Vibracore	
	Recov	OL-1254-03  OL-1254-04  OL-1254-05  OL-1254-06  OL-1254-07  OL-1254-09  OL-1254-10  OL-1254-10	OL-1254-03	OL-1254-03	OL-1254-03  OL-1254-04  O.0  ML  Wet, soft, dark brown, SILT, some fine to coarse sand, trace organic material.  Wet medium dense, light brown, medium to fine SAND, some silt, trace shells, slight sulfur odor.  OL-1254-05  OL-1254-06  OL-1254-07  OL-1254-07  OL-1254-07  OL-1254-09  OL-1254-09  OL-1254-09  OL-1254-09  OL-1254-09  OL-1254-09  OL-1254-10	OL-1254-03  OL-1254-04  OL-1254-04  OL-1254-05  OL-1254-05  OL-1254-06  OL-1254-06  OL-1254-07  OL-1254-07  OL-1254-07  OL-1254-07  OL-1254-09  OL-1254-10  OL-125

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40299

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126138.10

Easting: 916192.69

Mud Line: 357.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 1

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		B. C. I.	0.0		Wet, stiff, light brown, SILT, little clay, trace shells.		
		OL-1254-14	0.0	ML		Vibracore	
		OL-1254-15	0.0	ML	Wet, stiff, light brown, SILT, little clay, trace shells.	Vibracore	
			_				
							Marl
		OL-1254-16	0.0	ML	Wet, stiff, light brown, SILT, little clay, trace shells.	Vibracore	
_		OL-125 <b>4</b> -17	0.0	ML	Wet, stiff, light brown, SILT, little fine sand, trace clay, trace shells.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40301

Date: 06/07/2010

Weather: High 60s, winds W-NW 10-25mph, sun & clouds

Northing: 1126736.39 Easting: 916167.78 Driller: Anchor QEA

Water Elev: 363 Ft

Mud Line: 347.4 Ft

Logging Company: PARSONS

Attempts: 4
Depth Units: Ft

Surface Water Depth: 15.6 Ft

Geologist: M. VETTER
Penetration Depth: 12.00

Core Recovery Depth: 9.30

Depth Sample PID USCS Sample Soil Description Stratum Ft ID (ppm) Code Method Wet, soft, dark gray, SILT, trace organics, organic odor. ML OL-1266-11 0.0 Vibracore Wet, soft, dark gray, SILT, trace organics, organic odor. 0.0 ML OL-1266-12 Vibracore Wet, soft, dark gray, SILT, trace organics, organic odor. 0.0 ML OL-1266-13 Vibracore Wet, soft, dark gray, SILT, trace organics, organic odor. ML OL-1266-14 0.0 Vibracore Wet, soft, dark gray, SILT. OL-1266-15 0.0 ML Vibracore Wet, soft, dark gray, SILT. ML OL-1266-16 0.3 Vibracore Wet, soft, dark gray-brown, SILT. ML OL-1266-17 0.2 Vibracore Wet, soft, dark gray-brown, SILT. ML OL-1266-18 0.0 Vibracore Silt Wet, soft, dark gray-brown, SILT. 0.0 MLOL-1266-19 Vibracore Wet, soft, dark gray-brown, SILT. 0.0 ML OL-1266-20 Vibracore

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40301

Date: 06/07/2010

Weather: High 60s, winds W-NW 10-25mph, mix sun & cldu

Northing: 1126736.39 Easting: 916167.78

Driller: Anchor QEA

Water Elev: 363 Ft

Logging Company: PARSONS

Attempts: 4

Mud Line: 347.4 Ft

Geologist: M. VETTER

Depth Units: Ft

Surface Water Depth: 15.6 Ft

Penetration Depth: 12.00

Core Recovery Depth: 9.30

Depth	۷٥;	Sample	PID	USCS	7 (600	Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1267-01	0.0	ML	Wet, soft, dark gray, SILT, little fine sand, some organics, little shells, organic odor.	Vibracore	
-		OL-1267-03	0.0	ML	Wet, soft, dark gray, SILT, little fine sand, some organics, little shells, organic odor.	Vibracore	
						Silt	
		OL-1267-04	0.0	ML	Wet, soft, dark gray, SILT, little fine sand, some organics, little shells, organic odor.	Vibracore	
9.3		OL-1267-05	0.1	ML	Wet, soft, dark gray, SILT, little fine sand, some organics, trace shells, trace clay, organic odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40302

Date: 06/07/2010

Weather: High 60s, winds W-NW 10-25mph, sun & clouds

Northing: 1125858.55

Easting: 914835.54

Mud Line: 355.5 Ft Surface Water Depth: 7.5 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: M. VETTER

Water Elev: 363 Ft

Attempts: 2

	>			Transaction in		T _ T	
Depth	Recov	Sample	PID	USCS	Coll Description	Sample	044
Ft	R.	ID	(ppm)	Code	Soil Description	Method	Stratur
0		OL-1265-16	0.0	SM	Wet, loose, dark gray, fine to coarse SAND, some silt, trace fine subangular gravel, some shells, little organics, organic odor.	Vibracore	01
		OL-1265-18	0.0	SM	Wet, loose, dark gray, fine to coarse SAND, some silt, trace fine subangular gravel, some shells, little organics, organic odor.	Vibracore	Sand
		OL-1265-17	0.0	ML	Wet, soft, gray, SILT, some fine to coarse sand, some shells, trace organics, organic odor.	Vibracore	
		OL-1265-19	0.0	ML	Wet, soft, gray, SILT, some fine to coarse sand, some shells, trace organics, sulfur odor.	Vibracore	Silt
		OL-1265-20	0.1	ML	Wet, soft, dark gray, SILT, little fine to medium sand, trace organics, trace shells, sulfur odor.	Vibracore	
		OL-1266-01	0.9	ML	Wet, soft, dark gray, SILT, little fine to medium sand, trace organics, trace shells, sulfur odor, transmarl.	Vibracore	
		OL-1266-02	0.2	SM	Wet, loose, dark gray, fine to medium SAND, some silt, some shells, little organics.	Vibracore	
		OL-1266-03	0.6	ML	Wet, soft, dark gray, SILT, trace fine sand, trace shells, trace organics, sulfur odor.	Vibracore	
		OL-1266-05	1.5	ML	Wet, soft, light gray, SILT, little fine sand, little shells, trace organics, sulfur odor.	Vibracore	Marl
+		OL-1266-06	1.6	ML	Wet, soft, light gray, SILT, little fine sand, little shells, trace organics, sulfur odor.	Vibracore	

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40302

Date: 06/07/2010

Weather: High 60s, winds W-NW 10-25mph, sun & clouds

Northing: 1125858.55

58.55 Driller: Anchor QEA

Water Elev: 363 Ft

Easting: 914835.54

Logging Company: PARSONS

Attempts: 2

Mud Line: 355.5 Ft

Geologist: M. VETTER

Depth Units: Ft

Surface Water Depth: 7.5 Ft Penetration Depth: 12.00 Core Recovery Depth: 10.50

Depth	COV	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1266-07	1.7	ML	Wet, soft, light gray, SILT, little fine sand, little shells, trace organics, sulfur odor.	Vibracore	
		OL-1266-08	0.6	ML	Wet, soft, light gray, SILT, little fine sand, trace shells, trace organics, sulfur odor.	Vibracore	
							Marl
-		OL-1266-09	3.9	ML	Wet, soft, light gray, SILT, little fine sand, trace shells, trace organics, sulfur odor.	Vibracore	
					Wet, soft, light gray, SILT, little fine sand, trace shells, trace organics, sulfur odor.		
		OL-1266-10	0.6	ML		Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40305

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, sun & clouds

Northing: 1125912.17

Easting: 915637.32 Mud Line: 359.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Denth: 12 00

Water Elev: 362.5 Ft

Attempts: 1

Surface Water Depth: 2.6 Ft	Penetration Depth: 12.00	Core Recovery Depth: 11.40
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epth	Recov	Sample	PID	USCS	0.110	Sample	O4 /
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
C		OL-1265-01	0.0	ML	Wet, soft, black, SILT, little organics, organic odor.	Vibracore	
		OL-1265-02	0.0	ML	Wet, soft, black, SILT, trace fine sand, trace organics.	Vibracore	
	М	OL-1265-03	0.0	ML	Wet, soft, dark gray, SILT, trace clay, trace organics.	Vibracore	
	Ш	OL-1265-04	0.0	ML	Wet, soft, dark gray, SILT, trace clay, trace organics.	Vibracore	
		OL-1265-05	0.0	ML	Wet, soft, gray-brown, SILT, trace organics, organic odor.	Vibracore	Silt
	П	OL-1265-06	0.0	ML	Wet, soft, gray-brown, SILT, trace organics, organic odor.	Vibracore	
ı j		OL-1265-07	0.0	ML	Wet, soft, gray-brown, SILT, trace clay trace organics, organic odor.	Vibracore	
		OL-1265-08	0.0	SW	Wet, loose, dark gray, fine to medium SAND , some shells, trace organics, organic and some sulfur odor.	Vibracore	Sand
_			_		Wet, soft, gray, SILT, little fine sand, little shells, sulfur odor.		Jana
		OL-1265-10	0.1	ML		Vibracore	
			_		Wet, soft, gray, SILT, little fine sand, little shells, sulfur odor.		Marl
		OL-1265-11	0.1	ML		Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40305

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, sun & clouds

Northing: 1125912.17

Easting: 915637.32

Mud Line: 359.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: M. VETTER

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

epth	Recov	Sample	PID	USCS	Ceil Description	Sample	Ctuatuus
Ft	쮼	ID	(ppm)	Code	Soil Description	Method	Stratum
		OL-1265-12	0.0	ML	Wet, soft, gray, SILT, little fine sand, little shells, sulfur odor.	Vibracore	
		OL-1265-13	0.0	ML	Wet, soft, gray, SILT, little fine sand, little shells, sulfur odor.	Vibracore	
							Marl
		OL-1265-14	0.0	ML	Wet, soft, gray, SILT, little fine sand, little shells, sulfur odor.	Vibracore	
		OL-1265-15	0.0	ML	Wet, soft, gray, SILT, little fine sand, little shells, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40306

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126022.02

Driller: Anchor QEA

Water Elev: 362.5 Ft

Easting: 915864.13 Mud Line: 358.2 Ft

Logging Company: PARSONS

Attempts: 1

Geologist: M. VETTER

Depth Units: Ft

Surface Water Depth: 4.3 Ft

Penetration Depth: 12.00 Core Recovery Depth: 9.90

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	ď	ID	(ppm)	Code		Method	Stratum
0		OL-1261-08	0.0	ML	Wet, soft, dark gray, SILT, some organics, organic odor.	Vibracore	
		OL-1261-09	0.0	ML	Wet, soft, dark gray, SILT, trace organics, organic odor.	Vibracore	
	Н	OL-1261-10	0.0	ML	Wet, soft, dark gray, SILT, some organics, organic odor.	Vibracore	
		OL-1261-11	0.0	ML	Wet, soft, dark gray, SILT, some organics, organic odor.	Vibracore	
		OL-1261-12	0.0	ML	Wet, soft, dark gray, SILT, trace organics, organic odor.	Vibracore	
		OL-1261-13	0.0	ML	Wet, soft, dark gray, SILT, trace organics, organic odor.	Vibracore	
		OL-1261-14	0.0	ML	Wet, soft, dark gray, SILT, trace organics, organic odor.	Vibracore	
		OL-1281-15	0.0	ML	Wet, soft, dark gray, SILT, trace clay, organic odor.	Vibracore	Silt
		OL-1261-16	0.0	ML	Wet, soft, dark gray, SILT, trace clay, organic odor.	Vibracore	
		OL-1261-17	0.0	ML	Wet, soft, dark gray, SILT, trace clay, organic odor.	Vibracore	

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40306

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1126022.02 Easting: 915864.13 Driller: Anchor QEA

Water Elev: 362.5 Ft

Mud Line: 358.2 Ft

Logging Company: PARSONS

Attempts: 1

Depth Units: Ft

Surface Water Depth: 4.3 Ft

Geologist: M. VETTER

Penetration Depth: 12.00 Core Recovery Depth: 9.90

Recov PID USCS Depth Sample Sample Soil Description Stratum ID Method (ppm) Code Wet, soft, dark gray, SILT, trace clay, organic odor. 5 OL-1261-18 0.0 ML Vibracore Wet, soft, dark gray, SILT, trace clay, organic odor. 0.0 ML OL-1261-19 Vibracore Silt Wet, soft, dark gray, SILT, trace clay, organic odor. 0.0 ML OL-1261-20 Vibracore Wet, soft, dark gray, SILT, trace clay, organic odor. 0.0 ML OL-1262-01 Vibracore

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40307

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1125937.28

Driller: Anchor QEA

Water Elev: 362.5 Ft

Easting: 916001.88

Logging Company: PARSONS

Attempts: 2

Mud Line: 358.9 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 3.6 Ft

Penetration Depth: 12.00

Depth	So	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1256-08	0.0	ML	Wet, very soft, black, SILT, little medium to fine sand, trace organic material.	Vibracore	
	П	OL-1256-09	0.0	ML	Wet, very soft, black, SILT, little medium to fine sand, trace organic material.	Vibracore	
		OL-1256-10	0.0	ML	Wet, very soft, black, SILT, little medium to fine sand, trace organic material.	Vibracore	Silt
		OL-1256-11	0.0	ML	Wet, very soft, black, SILT, little medium to fine sand, trace organic material.	Vibracore	
		OL-1256-12	0.0	ML	Wet, very soft, black, SILT, little medium to fine sand, trace organic material, trace fine gravel.	Vibracore	
		OL-1256-13	0.0	SM	Wet, very loose, dark gray, fine to medium SAND and SILT.	Vibracore	
		OL-1256-14	0.0	SM	Wet, very loose, dark gray, fine to medium SAND, some silt, trace shells, slight sulfur like odor.	Vibracore	
		OL-1256-15	0.0	SM	Wet, very loose, light brown, fine to coarse SAND, trace silt, trace shells, sulfur-like odor.	Vibracore	
		OL-1256-16	7.1	SM	Wet, very loose, light brown, fine to coarse SAND, trace silt, trace shells, sulfur-like odor.	Vibracore	Marl
		OL-1256-17	10.5	SM	Wet, very loose, light brown, fine to coarse SAND, trace shells, sulfur-like odor.	Vibracore	

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#### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40307

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1125937.28 Easting: 916001.88

Driller: Anchor QEA

Water Elev: 362.5 Ft

Logging Company: PARSONS

Attempts: 2

Mud Line: 358.9 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 3.6 Ft

Penetration Depth: 12.00

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1256-18	1.7	SM	Wet, very loose, light brown, fine to coarse SAND, trace shells, sulfur-like odor.	Vibracore	
		OL-1256-19	5.8	ML	Wet, medium stiff, light brown, SILT and fine SAND, trace shells, sulfur-like odor.	Vibracore	
							Marl
		OL-1256-20	8.9	ML	Wet, medium stiff, light brown, SILT and fine SAND, little shells, sulfur-like odor.	Vibracore	
		OL-1257-01	6.6	ML	Wet, medium stiff, light brown, SILT and fine SAND, little shells, sulfur-like odor.	Vibracore	

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### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50087

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1127874.58

Easting: 913571.20 Mud Line: 340.5 Ft

Surface Water Depth: 22.1 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 12.00 Core Recovery Depth: 10.40

Water Elev: 362.6 Ft

Attempts: 1
Depth Units: Ft

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1242-07	0.0	GP	Wet, very loose, dark brown, medium to fine GRAVEL and fine to coarse SAND, trace silt, trace shells.	Vibracore	
	П	OL-1242-08	0.1	GP	Wet, very loose, dark brown, medium to fine GRAVEL and fine to coarse SAND, trace silt, trace shells, sulfur odor.	Vibracore	Gravel and San
	П	OL-1242-09	0.6	sw	Moist, loose, dark brown, fine to coarse SAND, trace fine gravel, trace silt, trace shells, sulfur odor.	Vibracore	
		OL-1242-10	0.6	sw	Moist, loose, dark brown, fine to coarse SAND, trace fine gravel, trace silt, trace shells, sulfur odor.	Vibracore	
+		OL-1242-11	0.6	sw	Moist, loose, dark brown, fine to coarse SAND, trace silt, trace shells, sulfur odor.	Vibracore	
	п	OL-1242-12	1.3	sw	Moist, loose, dark brown, fine to coarse SAND, trace silt, trace shells, sulfur odor.	Vibracore	
		OL-1242-13	5.0	SM	Moist, loose, dark brown, fine to coarse SAND, trace silt, trace shells, sulfur odor.	Vibracore	
		OL-1242-14	7.3	SW	Moist, loose, dark brown, fine to coarse SAND, trace silt, trace shells, sulfur odor.	Vibracore	
		OL-1242-16	5.6	SW	Moist, loose, dark brown, fine to coarse SAND, trace silt, trace shells, sulfur odor.	Vibracore	Marl
		OL-1242-17	1.0	SW	Moist, loose, dark brown, fine to coarse SAND, trace silt, trace shells, sulfur odor.	Vibracore	
, Il			. L J		L	1	L

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50087

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1127874.58

Driller: Anchor QEA

Water Elev: 362.6 Ft

Easting: 913571.20 Mud Line: 340.5 Ft Logging Company: PARSONS Geologist: S. WEISHAUPT Attempts: 1
Depth Units: Ft

Surface Water Depth: 22.1 Ft

Penetration Depth: 12.00

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft 5	ď	ID	(ppm)	Code	Wet, stiff, brown, SILT and fine SAND, little shells, sulfur	Method	Stratum
		OL-1242-18	1.3	ML/SM	odor.	Vibracore	
		OL-1242-19	0.8	ML	Wet, stiff, brown, SILT, some fine Sand, little shells, sulfur odor.	Vibracore	
		1, 1					Marl
		OL-1242-20	0.3	ML	Wet, stiff, brown, SILT, some fine Sand, trace clay, little shells, sulfur odor.	Vibracore	
_ \		OL-1243-01	0.1	ML/CL	Wet, stiff, brown, SILT and CLAY, little shells, sulfur odor.	Vibracore	
<sub>9.5</sub> 上 I					1		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50088

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1121518.28

Easting: 927093.70 Mud Line: 333.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.6 Ft

Attempts: 1

Depth Units: Ft

Recov	Sample ID	PID (ppm)	USCS	Soil Description	Sample Method	Stratum
	OL-1231-09	0.0	ML	Wet, very soft, black, SILT.	Vibracore	
	OL-1231-10	0.0	ML	Wet, very soft, black, SILT.	Vibracore	
	OL-1231-11	0.0	ML	Wet, very soft, black, SILT.	Vibracore	
	OL-1231-12	0.0	ML	Wet, very soft, black, SILT.	Vibracore	
	OL-1231-13	0.0	ML	Wet, very soft, black, SILT, trace organic material, petroleum-like odor.	Vibracore	
	OL-1231-14	0.0	ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	
	OL-1231-15	0.0	ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	
	OL-1231-16	0.0	ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	Silt
	OL-1231-17	0.0	ML	Wet, very soft, black, SILT, strong petroleum-like odor.	Vibracore	
	OL-1231-18	0.0	ML	Wet, very soft, black, SILT, strong petroleum-like odor.	Vibracore	
		-				
	Recov	OL-1231-10 OL-1231-11 OL-1231-12 OL-1231-13 OL-1231-14 OL-1231-15 OL-1231-16	OL-1231-09 0.0 OL-1231-10 0.0 OL-1231-11 0.0 OL-1231-12 0.0 OL-1231-13 0.0 OL-1231-14 0.0 OL-1231-15 0.0 OL-1231-16 0.0	OL-1231-10	OL-1231-09	OL-1231-10 OL-1231-11 OL-1231-12 OL-1231-13 OL-1231-14 OL-1231-15 OL-1231-15 OL-1231-16 OL-1231-17 OL-1231-17 OL-1231-17 OL-1231-17 OL-1231-17 OL-1231-18 OL-1231-19

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50088

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Core Recovery Depth: 11.50

Northing: 1121518.28

Easting: 927093.70

Surface Water Depth: 28.7 Ft

Mud Line: 333.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 12.00

Water Elev: 362.6 Ft

Attempts: 1

Depth Units: Ft

Depth	So	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1231-19	0.0	ML	Wet, very soft, black, SILT, strong petroleum-like odor.	Vibracore	
		OL-1231-20	0.0	ML	Wet, soft, black, SILT, strong petroleum-like odor.	Vibracore	
							Silt
		OL-1232-01	0.0	ML	Wet, soft, dark brown, SILT, some clay.	Vibracore	One.
		OL-1232-02	0.0	ML	Wet, soft, dark brown, SILT and Clay.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50088A

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1121520.92 Easting: 927092.34

Driller: Anchor QEA

Water Elev: 362.6 Ft

Logging Company: PARSONS

Attempts: 1

Mud Line: 333.8 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 28.8 Ft

Penetration Depth: 12.00

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1232-15	0.0	ML	Wet, very soft, black, SILT.	Vibracore	
		OL-1232-16	0.0	ML	Wet, very soft, black, SILT.	Vibracore	
		OL-1232-17	0.0	ML	Wet, very soft, dark brown, SILT.	Vibracore	
		OL-1232-18	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
T		OL-1232-19	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1232-20	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-1233-01	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
Ť		OL-1233-02	0.0	ML	Wet, very soft, black, SILT, strong petroleum-like odor.	Vibracore	
(# \)		OL-1233-04	0.0	ML	Wet, soft, black, SILT, strong petroleum-like odor.	Vibracore	
		OL-1233-05	0.0	ML	Wet, soft, black, SILT, strong petroleum-like odor.	Vibracore	
5 <del>+</del>		OL-1233-06	0.0	ML	Wet, soft, black, SILT, trace clay, strong petroleum-like odor.	Vibracore	Silt
		OL-1233-07	0.0	ML	Wet, soft, black, SILT, little clay, strong petroleum-like odor.	Vibracore	
		OL-1233-08	0.0	ML	Wet, medium stiff, black, SILT, some clay.	Vibracore	
-					Wet, medium stiff, black, SILT, some clay.		
<sub>9.5</sub>		OL-1233-09	0.0	ML		Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50089

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1121370.11

Easting: 927101.25 Mud Line: 331.7 Ft

Surface Water Depth: 30.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 12.00

Water Elev: 362.6 Ft

Attempts: 1
Depth Units: Ft

Depth	Š	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1234-01	0.0	ML	Wet, soft, dark gray, SILT, trace sand, fine.	Vibracore	
		OL-1234-02	0.0	ML	Wet, soft, dark gray, SILT, little fine sand, no odor.	Vibracore	
	П	OL-1234-03	0.0	ML	Wet, soft, dark gray, SILT, little fine sand, no odor.	Vibracore	
		OL-1234-04	0.0	ML	Wet, soft, dark gray, SILT, little fine sand, no odor.	Vibracore	
		OL-1234-05	1.8	ML	Wet, soft, dark gray, SILT, trace fine sand, high plasticity, slight petroleum-like odor.	Vibracore	
		OL-1234-06	0.8	ML	Wet, soft, dark gray, SILT, trace fine sand, high plasticity, slight petroleum-like odor.	Vibracore	
		OL-1234-07	0.0	ML	Wet, soft, dark gray, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-1234-08	0.0	ML	Wet, soft to very soft, dark gray, SILT, trace fine sand, some organic material, slight petroleum-like odor.	Vibracore	Silt
-		OL-1234-10	0.0	ML	Wet, soft to very soft, dark gray, SILT, trace fine sand, some organic material, slight petroleum-like odor.	Vibracore	
-		OL-1234-11	0.0	ML	Wet, soft to very soft, dark gray, SILT, trace fine sand, some organic material, strong petroleum-like odor.	Vibracore	
			-				

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50089

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1121370.11 Easting: 927101.25 Driller: Anchor QEA

Water Elev: 362.6 Ft

Easting: 92/101.25

Logging Company: PARSONS

Attempts: 1

Mud Line: 331.7 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 30.9 Ft Penetration Depth: 12.00

Penetration Depth: 12.00 Core Recovery Depth: 11.40

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1234-12	0.0	ML	Wet, very soft, dark gray, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-1234-13	0.0	ML	Moist, very soft, dark gray, SILT, little fine sand, some vegetative material, organic material, slight petroleum-like odor.	Vibracore	
							Silt
+		OL-1234-14	0.0	ML	Moist, soft, dark gray, SILT, trace clay, some vegetative material, organic material, slight petroleum-like odor.	Vibracore	
5_		OL-1234-15	0.0	CL	Moist, stiff, dark gray, CLAY, some silt, trace fine sand, organic odor.	Vibracore	Clay

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60274

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1116806.63 Easting: 927755.61

Logging Company: PARSONS

Water Elev: 362.5 Ft Attempts: 1

Mud Line: 361.9 Ft

Geologist: A. MENGES

**Driller: Atlantic Testing** 

Depth Units: Ft

Surface Water Depth: 0.6 Ft

Penetration Depth: 11.50 Core Recovery Depth: 9.70

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1244-01	0.0	GP	Wet, very dense, black, medium to coarse GRAVEL.	Vibracore	
		OL-1244-02	0.0	GP	Wet, very dense, black, medium to coarse GRAVEL, some coarse sand.	Vibracore	Gravel
	п	OL-1244-03	0.0	SP/GP	Wet, dense, black, coarse SAND and fine to coarse GRAVEL.	Vibracore	
	П	OL-1244-04	0.0	SP	Wet, medium dense, black, fine to coarse SAND, some medium to fine gravel.	Vibracore	
		OL-1244-05	0.0	SP	Wet, medium dense, black, fine to coarse SAND, some fine to coarse gravel, trace shells.	Vibracore	Sand
		OL-1244-06	0.0	SP	Wet, medium dense, black, fine to coarse SAND, some fine to coarse gravel, trace shells.	Vibracore	
		OL-1244-07	0.0	SP	Wet, medium dense, black, fine to coarse SAND, some fine to coarse gravel, trace wood fragments, trace shells.	Vibracore	
		OL-1244-08	4.1	ML/PT	Wet, soft, dark brown, black, SILT and Peat, some organic material, trace fine sand, trace shells, sulfur odor.	Vibracore	
		OL-1244-10	11.1	ML	Wet, soft, dark brown, SILT and fine Sand, some organic material, trace shells, strong sulfur odor.	Vibracore	Marl
		OL-1244-11	28.1	SM	Wet, very loose, dark brown, fine to coarse SAND, little silt, trace shells, strong sulfur odor.	Vibracore	
5							

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60274

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1116806.63 Easting: 927755.61

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Logging Company: PARSONS

Attempts: 1

Mud Line: 361.9 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.6 Ft

Penetration Depth: 11.50

epth	Recov	Sample	PID	USCS	0.00	Sample	<b>.</b>
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
		OL-1244-12	12.6	SM	Wet, very loose, dark brown, medium to fine SAND, little silt, trace shells, strong sulfur odor.	Vibracore	
		OL-1244-13	2.6	SM	Wet, very loose, dark brown, medium to fine SAND, little silt, trace shells, strong sulfur odor.	Vibracore	
_							Marl
+		OL-1244-14	4.5	SM	Wet, very loose, dark brown, medium to fine SAND, little silt, trace shells, strong sulfur odor.	Vibracore	
_		OL-1244-15	2.2	SM	Wet, very loose, dark brown, medium to fine SAND, little silt, trace shells, strong sulfur odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60275

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1116962.23

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Easting: 927834.72

Logging Company: PARSONS

Attempts: 1

Mud Line: 361.7 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.8 Ft

Penetration Depth: 11.50

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
)		OL-1247-02	0.1	SP/GP	Wet, medium dense, black, fine to coarse SAND and fine to coarse GRAVEL, trace cobbles, trace shells, slight petroleum odor.	Vibracore	
		OL-1247-03	0.0	SP/GP	Wet, medium dense, black, fine to coarse SAND and fine to coarse Gravel, trace cobbles, trace wood fragments, trace shells, slight petroleum odor.	Vibracore	Gravel and San
		OL-1247-04	0.0	SP/GP	Wet, medium dense, black, fine to coarse SAND and fine to coarse Gravel, trace cobbles, trace silt, trace shells, slight petroleum odor.	Vibracore	
		OL-1247-05	0.0	SP	Wet, medium dense, black, fine to coarse SAND, some fine to coarse gravel, little silt, trace shells, slight petroleum odor.	Vibracore	
		OL-1247-06	0.0	SP	Wet, medium dense, black, fine to coarse SAND, some fine to coarse gravel, little silt, trace shells, slight petroleum odor.	Vibracore	Sand
		OL-1247-07	0.0	SP	Wet, medium dense, black, fine to coarse SAND, some fine to coarse gravel, little silt, trace shells, slight petroleum odor.	Vibracore	
		OL-1247-08	0.0	ML	Wet, soft, black, SILT, some fine to coarse sand, some medium to fine gravel, trace shells, trace organic material, slight petroleum like odor.	Vibracore	
		OL-1247-09	0.0	ML	Wet, soft, black, SILT, some fine to coarse sand, some medium to fine gravel, trace shells, trace organic material, slight petroleum like odor.	Vibracore	
		OL-1247-11	0.0	ML	Wet, soft, black, SILT, some fine sand, trace wood fragments, trace shells.	Vibracore	Marl
		OL-1247-12	1.0	ML	Wet, soft, medium brown, SILT and fine to coarse Sand, trace shells, trace wood fragments, slight sulfur odor.	Vibracore	
		. – – – – -					

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60275

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1116962.23 Easting: 927834.72

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Logging Company: PARSONS

Attempts: 1

Mud Line: 361.7 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.8 Ft

Penetration Depth: 11.50 Core Recovery Depth: 10.20

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re Be	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1247-13	2.6	ML	Wet, soft, light brown, SILT and fine to coarse Sand, trace shells, trace wood fragments, slight sulfur odor.	Vibracore	
		OL-1247-14	7.2	ML	Wet, soft, light brown, SILT and fine to coarse Sand, trace shells, trace wood fragments, slight sulfur odor.	Vibracore	
							Marl
-		OL-1247-15	0.0	SM	Wet, soft, light brown, fine to coarse SAND and Silt, trace shells, trace wood fragments, slight sulfur odor.	Vibracore	
					Wet, soft, light brown, fine to coarse SAND and Silt, trace		
		OL-1247-16	6.7	SM	shells, trace wood fragments, slight sulfur odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60276

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1117131.71 Easting: 927936.76

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Logging Company: PARSONS

Attempts: 1

Mud Line: 361.6 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.9 Ft

Penetration Depth: 11.50

00	Sample	PID	USCS	0.115	Sample	0
Re	ID	(ppm)	Code		Method	Stratum
		0.0	SP	Wet, medium dense, dark brown, fine to coarse SAND, trace fine to coarse gravel, little shells.		
	OL-1250-02	0.0	SP	Wet, medium dense, dark brown, fine to coarse SAND, trace fine to coarse gravel, little shells.	Vibracore	
	OL-1250-03	0.0	SM	Wet, medium dense, fine to coarse SAND, some silt, trace shells.	Vibracore	
	OL-1250-04	0.0	SM	Wet, medium dense, fine to coarse SAND, some silt, trace shells.	Vibracore	Sand
	OL-1250-05	0.0	SM	Wet, medium dense, fine to coarse SAND, some silt, trace shells.	Vibracore	
	OL-1250-06	0.0	SM	Wet, medium dense, fine to coarse SAND, some silt, little medium to fine gravel, trace cobbles, trace shells.	Vibracore	
	OL-1250-07	0.0	ML	Wet, stiff, black, SILT, little fine sand, trace clay.	Vibracore	Silt
	OL-1250-08	0.0	SM	trace fine to coarse gravel, trace shells, sulfur odor.	Vibracore	
	OL-1250-10	0.0	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	Marl
	OL-1250-11	0.0	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	
	Recov	OL-1250-02 OL-1250-03 OL-1250-04 OL-1250-06 OL-1250-07 OL-1250-08	0.0 OL-1250-02 OL-1250-03 OL-1250-04 OL-1250-05 OL-1250-06 OL-1250-07 OL-1250-08 OL-1250-08 OL-1250-10 OL-1250-10 OL-1250-10	0.0 SP  0L-1250-02 0.0 SP  0L-1250-03 0.0 SM  0L-1250-04 0.0 SM  0L-1250-05 0.0 SM  0L-1250-06 0.0 SM  OL-1250-07 0.0 ML  OL-1250-07 0.0 SM  OL-1250-07 0.0 SM	OL-1250-02  OL-1250-03  OL-1250-03  OL-1250-04  OL-1250-05  OL-1250-06  OL-1250-07  OL-1250-07  OL-1250-08  OL-1250-08  OL-1250-08  OL-1250-09  OL-125	OL-1250-02  OL-1250-03  OL-1250-04  OL-1250-05  OL-1250-06  OL-1250-06  OL-1250-06  OL-1250-07  OL-1250-08  OL-125

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60276

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1117131.71

Easting: 927936.76

Mud Line: 361.6 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

epth Ft	Recov	Sample ID	PID (nnm)	USCS Code	Soil Description	Sample Method	Stratum
		OL-1250-12	(ppm) 0.0	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	
		OL-1250-13	40.1	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	
_							Marl
		OL-1250-14	11.7	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	
		OL-1250-15	1.6	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60277

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1117335.53

35.53 Driller: Atlantic Testing

Water Elev: 362.5 Ft

Easting: 928095.45

Logging Company: PARSONS

Attempts: 1

Mud Line: 361.6 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.9 Ft

Penetration Depth: 11.50

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
K		OL-1244-16	0.1	GP	Wet, very dense, black, fine to coarse GRAVEL, some fine to coarse sand, trace cobbles, trace shells, slight petroleum like odor.	Vibracore	0
		OL-1244-17	0.7	GP	Wet, very dense, black, fine to coarse GRAVEL, some fine to coarse sand, trace cobbles, trace shells, slight petroleum like odor.	Vibracore	Gravel
		OL-1244-18	0.8	SP	Wet, dense, black, fine to coarse SAND and fine to coarse Gravel, trace shells, trace glass fragments, slight petroleum like odor.	Vibracore	
		OL-1244-19	3.3	SP	Wet, dense, black, fine to coarse SAND and fine to coarse Gravel, trace shells, slight petroleum like odor.	Vibracore	Sand
		OL-1244-20	0.4	OL	Wet, soft, black, SILT, some fine to coarse sand, trace gravel, little organic material, trace shells, slight petroleum like odor.	Vibracore	
		OL-1245-01	1.3	OL	Wet, soft, black, SILT, some fine to coarse sand, trace gravel, little organic material, trace shells, slight petroleum like odor.	Vibracore	
		OL-1245-02	1.4	OL	Wet, soft, black, SILT, little fine to coarse sand, little organic material, trace shells, slight petroleum like odor.	Vibracore	
		OL-1245-03	0.2	OL	Wet, soft, black, SILT, little fine to coarse sand, little organic material, trace shells, slight petroleum like odor.	Vibracore	Silt
_		OL-1245-05	0.6	ML	Wet, soft, black, SILT and fine to coarse Sand, little fine to coarse gravel, little organic material, trace shells, slight petroleum like odor.	Vibracore	
		OL-1245-06	0.3	ML	Wet, soft, black, SILT, little fine to coarse sand, little organic material, trace shells, slight sulfur like odor.	Vibracore	
							Marl

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#### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60277

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1117335.53 Easting: 928095.45

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Mud Line: 361.6 Ft

Logging Company: PARSONS

Attempts: 1

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.9 Ft

Penetration Depth: 11.50

Depth	50	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1245-07	0.1	SM	Wet, medium dense, black, fine to coarse SAND, some fine to coarse gravel, some silt, trace cobbles, trace organic material, trace shells.	Vibracore	
		OL-1245-08	0.5	SM	Wet, loose, light brown, fine SAND, some silt, trace medium to fine gravel, trace shells, sulfur lilke odor.	Vibracore	
							Marl
		OL-1245-09	2.1	SM	Wet, loose, light brown, fine SAND, some silt, trace medium to fine gravel, trace shells, sulfur lilke odor.	Vibracore	
		OL-1245-10	13.1	SM	Wet, loose, light brown, fine SAND, little silt, trace shells, sulfur like odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60278

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1117482.20 Easting: 928156.86

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Logging Company: PARSONS

Attempts: 1

Mud Line: 360.6 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 1.9 Ft

Penetration Depth: 11.50

Depth	8	Sample	PID	USCS	0.110	Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
			2.9	SP	Wet, loose, black, coarse SAND, some fine gravel, petroleum like odor.		
- 11		OL-1245-12	2.9	SP	Wet, loose, black, coarse SAND, some fine gravel, petroleum like odor.	Vibracore	
		OL-1245-13	1.2	SP	Wet, loose, black, coarse SAND, some fine gravel, petroleum like odor.	Vibracore	
		OL-1245-14	3.3	SP	Wet, loose, black, fine to coarse SAND and fine Gravel, trace organic material, petroleum like odor.	Vibracore	
		OL-1245-15	2.8	SP	Wet, loose, black, GRAVEL, fine to coarse SAND and fine to medium Gravel, trace shells, petroleum like odor.	Vibracore	
		OL-1245-16	1.7	SP	Wet, loose, black, fine to coarse SAND and fine to coarse Gravel, trace cobbies, trace shells, trace glass fragments, petroleum like odor.	Vibracore	
		OL-1245-17	2.2	SP	Wet, loose, black, fine to coarse SAND and fine to coarse GRAVEL, trace cobbles, trace shells, petroleum like odor.	Vibracore	
		OL-1245-18	0.2	SP	Wet, loose, black, fine to coarse SAND and fine to coarse GRAVEL, trace cobbles, trace shells, petroleum like odor.	Vibracore	Sand
		OL-1245-19	0.1	ML	Wet, soft, black, SILT, some fine to coarse sand, trace fine to medium gravel, trace shells, trace organic material, slight petroleum like odor.	Vibracore	
		OL-1245-20	1.1	ML	Wet, soft, light brown, SILT, some fine to coarse sand and some fine to coarse gravel, trace shells, sulfur odor.	Vibracore	
							Marl

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### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60278

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Core Recovery Depth: 10.00

Northing: 1117482.20

Easting: 928156.86

Mud Line: 360.6 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: A. MENGES

Surface Water Depth: 1.9 Ft Penetration Depth: 11.50

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1246-01	2.0	ML	Wet, soft, light brown, SILT, some fine to coarse sand, trace shells, trace oncolites, sulfur odor.	Vibracore	
		OL-1246-02	1.2	SM	Wet, very loose, light brown, fine SAND and Silt, trace shells, sulfur odor.	Vibracore	
							Marl
		OL-1246-03	16.2	SM	Wet, very loose, light brown, fine SAND and Silt, trace shells, sulfur odor.	Vibracore	
-		OL-1246-04	5.3	SM	Wet, very loose, light brown, fine SAND and Silt, trace shells, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60278A

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1117418.39

Easting: 928155.59 Mud Line: 361.5 Ft

Surface Water Depth: 1 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 11.50

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratun
			3.0	SP	Wet, dense, black, fine to coarse SAND and fine to coarse Gravel, slight petroleum like odor.		
- 11		OL-1246-07	1.8	SP	Wet, dense, black, fine to coarse SAND and fine to coarse Gravel, slight petroleum like odor.	Vibracore	
		OL-1246-08	0.1	SP	Wet, dense, black, fine to coarse SAND and fine to coarse Gravel, slight petroleum like odor.	Vibracore	
		OL-1246-09	0.0	SP	Wet, dense, black, fine to coarse SAND and fine to coarse Gravel, trace cobbles, slight petroleum like odor.	Vibracore	
7		OL-1246-10	0.0	SP	Wet, dense, black, fine to coarse SAND, some fine to coarse gravel, little silt, trace cobbles, trace glass fragments, trace shells, slight petroleum like odor.	Vibracore	
		OL-1246-11	0.3	SP	Wet, dense, black, fine to coarse SAND, some fine to coarse gravel, little silt, trace cobbles, trace shells, slight petroleum like odor.	Vibracore	Cand
		OL-1246-12	0.5	SP	Wet, dense, black, fine to coarse SAND, some fine to coarse gravel, little silt, trace cobbles, trace glass fragments, trace shells, slight petroleum like odor.	Vibracore	Sand
		OL-1246-13	0.3	ML	Wet, soft, black, SILT and fine to coarse Sand, trace medium to fine gravel, little shells, trace wood fragments.	Vibracore	
OL-12	OL-1246-15	4.1	ML	Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur odor.	Vibracore		
			_		Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur odor.		Marl
		OL-1246-16	25.9	ML		Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60278A

Date: 06/02/2010

Weather: Mid 80s, winds SW 10-20mph, sunny

Northing: 1117418.39 Easting: 928155.59

Logging Company: PARSONS

Water Elev: 362.5 Ft

Mud Line: 361.5 Ft

Geologist: A. MENGES

**Driller: Atlantic Testing** 

Attempts: 1
Depth Units: Ft

Surface Water Depth: 1 Ft

Penetration Depth: 11.50

Depth	9	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1246-17	4.2	ML	Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur odor.	Vibracore	
		OL-1246-18	2.7	ML	Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur odor.	Vibracore	
							Marl
		OL-1246-19	3.6	ML	Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur odor.	Vibracore	
+		OL-1246-20	5.4	ML	Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60279

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1117694.36

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Easting: 928270.02

Logging Company: PARSONS

Attempts: 2

Mud Line: 361.1 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 1.4 Ft

Penetration Depth: 11.50

epth	Recov	Sample	PID	USCS		Sample	_
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
):		OL-1252-01	0.0	SP	Moist, very dense, black, fine to coarse SAND, some fine to coarse gravel, trace cobbles, petroleum like odor.	Vibracore	
		OL-1252-02	0.0	SP	Moist, very dense, black, fine to coarse SAND, some fine to coarse gravel, trace cobbles, petroleum like odor.	Vibracore	Sand
		OL-1252-03	0.0	GP	Wet, very dense, black, fine to coarse GRAVEL, some fine to coarse sand, trace cobbles, petroleum like odor.	Vibracore	
		OL-1252-04	0.0	GP	Wet, very dense, black, fine to coarse GRAVEL, some fine to coarse sand, petroleum like odor.	Vibracore	Gravel
		OL-1252-05	0.0	OL	Wet, soft, black, SILT, some organic material, trace fine to coarse gravel, slight petroleum like odor.	Vibracore	
		OL-1252-06	0.0	OL	Wet, soft, black, SILT, some fine to coarse sand and fine to coarse gravel, trace organic material, petroleum like odor.	Vibracore	
		OL-1252-07	0.0	OL	Wet, soft, black, SILT, some fine to coarse sand and fine to coarse gravel, trace organic material, petroleum odor.	Vibracore	SILT-ORGANIC
		OL-1252-08	0.0	SP	Wet, medium dense, black, fine to coarse SAND and fine to coarse Gravel, little silt, trace cobbles, slight petroleum like odor.	Vibracore	Sand
-		OL-1252-11	0.0	ML	Wet, soft, light to dark brown SILT, some fine sand, trace medium to fine gravel, slight petroleum odor.	Vibracore	Silt
		OL-1252-12	0.0	SM	Wet, very loose, black, fine to coarse SAND, some silt, trace fine gravel, slight petroleum like odor.	Vibracore	
			-				Marl

Page 2 of 2 **BORING LOG** 



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60279

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1117694.36 Easting: 928270.02

Logging Company: PARSONS Mud Line: 361.1 Ft

Geologist: A. MENGES

Surface Water Depth: 1.4 Ft

Water Elev: 362.5 Ft **Driller: Atlantic Testing** 

Attempts: 2 Depth Units: Ft

Penetration Depth: 11.50 Core Recovery Depth: 9.70

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1252-13	0.0	SM	Wet, very loose, dark brown, fine to coarse SAND, some silt, little shells, sulfur odor.	Vibracore	
		OL-1252-14	0.0	SM	Wet, very loose, dark brown, fine SAND, some silt, little shells, sulfur odor	Vibracore	
							Marl
+		OL-1252-15	2.9	SM	Wet, very loose, dark brown, fine SAND, some silt, little shells, sulfur odor	Vibracore	
		OL-1252-16	0.7	SM	Wet, very loose, dark brown, fine SAND, some silt, little shells, sulfur odor	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60281

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1118213.40 Easting: 928547.40 Driller: Atlantic Testing Logging Company: PARSONS

Attempts: 3

Mud Line: 361.6 Ft

Geologist: A. MENGES

Depth Units: Ft

Water Elev: 362.6 Ft

Surface Water Depth: 1 Ft Penetration Depth: 11.40 Core Recovery Depth: 5.00

Depth	Recov	Sample	PID	USCS		Sample	
Ft.	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
		OL-1233-10	0.0	SP	Moist, very loose, dark brown, fine to coarse SAND, some fine to coarse gravel, trace glass fragments.	Vibracore	
	П	OL-1233-11	0.0	SP	Moist, very loose, dark brown ine to coarse SAND, some fine to coarse gravel, slight petroleum-like odor.	Vibracore	
		OL-1233-12	0.0	SP	Moist, very loose, dark brown fine to coarse SAND, some medium to fine gravel, trace organic material, slight petroleum-like odor.	Vibracore	
		OL-1233-13	0.0	SP	Moist, very loose, dark brown fine to coarse SAND, some medium to fine gravel, trace organic material, slight petroleum-like odor.	Vibracore	Sand
		OL-1233-14	0.0	SM	Moist, medium dense, dark brown to black, fine to medium SAND, little fine gravel, slight petroleum-like odor.	Vibracore	Sanu
		OL-1233-15	0.0	SP	Moist, very loose, dark brown, fine to medium SAND, some medium to fine gravel, medium to fine, slight petroleum-like odor.	Vibracore	
		OL-1233-16	0.0	SP	Moist, loose, dark brown, fine to coarse SAND, trace medium to fine gravel, trace shells, slight petroleum-like odor.	Vibracore	
		OL-1233-17	0.0	ML	Moist, soft, medium to dark brown SILT and fine Sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-1233-18	0.0	ML	Moist, soft, medium brown, SILT, some fine sand, trace organic material, trace shells, sulfur odor, MARL.	Vibracore	Marl
		OL-1233-19	0.0	ML	Moist, soft, medium brown, SILT, some fine sand, trace organic material, trace shells, sulfur odor, MARL.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60281A

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1118220.20

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Easting: 928553.06

Logging Company: PARSONS

Attempts: 1

Mud Line: 361.9 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.6 Ft

Penetration Depth: 11.50

Depth	Recov	Sample	PID	USCS	0.110	Sample	<b>.</b> .
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1257-17	0.0	SP	Wet, loose, dark brown, fine to coarse SAND, some fine to coarse gravel, trace cobbles.	Vibracore	
	П	OL-1257-18	0.0	SP	Wet, loose, dark brown, fine to coarse SAND, some fine to coarse gravel, trace cobbles.	Vibracore	
		OL-1257-19	0.0	SP	Wet, loose, dark brown, fine to coarse SAND, some fine to coarse gravel, trace cobbles.	Vibracore	
		OL-1257-20	0.0	SP	Wet, loose, dark brown, fine to coarse SAND, some fine to coarse grave.	Vibracore	
		OL-1258-01	0.0	SP	Wet, loose, dark brown, fine to coarse SAND, little fine to medium gravel, trace wood fragments.	Vibracore	Sand
		OL-1258-02	0.0	SP	Wet, loose, dark brown, fine to coarse SAND, little fine to medium gravel, trace wood fragments, slight petroleum-like odor.	Vibracore	
		OL-1258-03	0.0	SP	Wet, loose, dark brown, fine to coarse SAND, little fine to medium gravel, trace wood fragments.	Vibracore	
		OL-1258-04	0.0	ML	fine to coarse gravel, trace cobbles, petroleum-like odor.	Vibracore	
-		OL-1258-06	0.0	ML	Wet, medium stiff, dark brown, SILT, some fine to coarse sand, little shells, petroleum-like odor.	Vibracore	
_		OL-1258-07	0.0	ML	Wet, soft, dark brown, SILT and fine SAND, trace shells, trace wood fragments, slight petroleum-like odor.	Vibracore	Silt and Sa
		OL-1230-01		IVIL		VINIGOUIC	
<u></u>							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60281A

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1118220.20

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Easting: 928553.06

Logging Company: PARSONS

Attempts: 1

Mud Line: 361.9 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.6 Ft Penetration Depth: 11.50 Core Recovery Depth: 10.00

Depth	Recov	ample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
5	OL	-1258-08	0.0	SM	Wet, medium dense, medium brown, fine SAND and Silt, trace shells, trace wood fragments, slight sulfur odor.	Vibracore	
	OL	1258-09	0.0	SM	Wet, medium dense, medium brown, fine SAND, some silt, little shells, slight sulfur odor.	Vibracore	
<u>_</u>							Marl
_	OL	1258-10	0.0	SM	Wet, medium dense, medium brown, fine SAND and Silt, little shells, slight sulfur odor.	Vibracore	
		1258-11	0.0	ML	Wet, medium stiff, medium brown, SILT, some fine sand, trace shells, slight sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60282

Date: 06/01/2010

Weather: Mid 70s, winds W-SW, 10-20mph, showers

Northing: 1118880.92

Driller: Atlantic Testing

Water Elev: 362.6 Ft

Easting: 928732.32 Mud Line: 360.9 Ft Logging Company: PARSONS Geologist: A. MENGES Attempts: 3
Depth Units: Ft

Widd Line. 300.8 Ft

Penetration Depth: 11.50

Core Recovery Depth: 5.60

Surface Water Depth: 1.7 Ft

Recov Depth Sample PID USCS Sample Soil Description Stratum Ft ID (ppm) Code Method 0 Wet, dense, black, fine to coarse SAND, little silt, trace SM OL-1232-03 0.0 Vibracore fine to coarse gravel, trace organic material, petroleum-like odor. Wet, dense, dark brown, fine to coarse SAND, little silt, OL-1232-04 0.0 SM Vibracore trace gravel, trace organic material, petroleum-like odor. Moist, loose, medium brown, SAND, fine to coarse, trace SM OL-1232-05 0.0 Vibracore fine to medium gravel, trace organic material. Moist, loose, dark brown, fine to medium SAND, trace organic 0.0 SM OL-1232-06 Vibracore material, trace shells. Moist, loose, dark brown, fine to medium SAND, trace organic SM OL-1232-07 0.0 Vibracore material, trace shells Sand Moist, loose, dark brown, fine to medium SAND, trace organic OL-1232-08 0.0 SM Vibracore material, trace shells Moist, loose, dark brown, fine to medium SAND, trace organic 0.0 SM OL-1232-09 Vibracore material, trace shells. Moist, medium dense, dark brown, fine to coarse SAND, little silt, trace organic material, trace shells. OL-1232-10 0.0 SM Vibracore Moist, stiff, dark brown, SILT, some fine to coarse sand, trace organic material, trace shells. 0.0 MI OL-1232-12 Vibracore Silt Moist, stiff, dark brown, SILT, some fine to coarse sand, trace organic material, trace shells. OI -1232-13 0.0 ML Vibracore 5 Moist, stiff, dark brown, SILT, some fine to coarse sand, trace organic material, trace shells. MLOL-1232-14 0.0 Vibracore 5.5

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60283

Date: 06/01/2010

Weather: Mid 70s, winds W-SW, 10-20mph, showers

Northing: 1119087.00

Driller: Atlantic Testing

Water Elev: 362.6 Ft

Easting: 928802.27 Mud Line: 361.5 Ft Logging Company: PARSONS Geologist: B. MCALLISTER Attempts: 3
Depth Units: Ft

Surface Water Depth: 1.1 Ft

Penetration Depth: 11.50

Depth	Recov	Sample	PID	USCS		Sample	<b>.</b>
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1230-16	0.5	SP	Moist, loose, dark brown to black, fine to coarse SAND, some fine to coarse gravel, trace cobbles, trace organic material, no odor.	Vibracore	
		OL-1230-17	1.5	SP	Moist, very loose, dark brown, fine to medium SAND, trace medium to coarse gravel, petroleum-like odor.	Vibracore	
		OL-1230-18	0.2	SP	Moise, loose, dark brown, medium to fine SAND, little medium to fine gravel, trace silt, trace cobbles, petroleum-like odor.	Vibracore	
		OL-1230-19	11.1	SM	Moist, soft, black, fine SAND and Silt, trace fine to medium gravel, strong petroleum-like odor.	Vibracore	
Ī		OL-1230-20	10.2	SM	Moist, loose, black, fine SAND, trace fine gravel, strong petroleum-like odor.	Vibracore	Sand
		OL-1231-01	3.2	SM	Moist, loose, black, fine SAND, some silt, strong petroleum-like odor.	Vibracore	
		OL-1231-02	0.3	ML	Moist, soft, light brown, SILT and fine Sand, trace fine gravel, strong petroleum-like odor.	Vibracore	
		OL-1231-03	0.3	ML	Moist, soft, dark brown, SILT and fine Sand, trace organic material, trace shells, no odor.	Vibracore	
		OL-1231-05	0.3	SM	Moist, loose, dark brown, fine to medium SAND, trace fine gravel, trace shells, no odor.	Vibracore	Marl
ΙL			.LJ		1		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60283

Date: 06/01/2010

Weather: Mid 70s, winds W-SW, 10-20mph, showers

Northing: 1119087.00 Easting: 928802.27 Driller: Atlantic Testing

Water Elev: 362.6 Ft

Mud Line: 361.5 Ft

Logging Company: PARSONS Geologist: B. MCALLISTER Attempts: 3
Depth Units: Ft

Surface Water Depth: 1.1 Ft

Penetration Depth: 11.50

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
4		OL-1231-06	0.5	ML	Moist, soft, medium brown, SILT and fine Sand, little organic material, trace shells.	Vibracore	
5 —					Moist, soft, medium brown, SILT, some fine sand, little organic material, trace shells.		
		OL-1231-07	0.3	ML		Vibracore	Marl
		1. 1			Moist, soft, medium brown, SILT, some fine sand, little		
		OL-1231-08	0.3	ML	organic material, trace shells.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60284

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Water Elev: 362.4 Ft

Attempts: 2

Depth Units: Ft

Northing: 1119375.55 Easting: 928800.95 Mud Line: 361.4 Ft

**Driller: Atlantic Testing** Logging Company: PARSONS Geologist: B. MCALLISTER

Surface Water Depth: 1 Ft Penetration Depth: 11.50 Core Recovery Depth: 10.00

8	Sample	PID	USCS		Sample	
Re	ID	(ppm)	Code	Soil Description	Method	Stratum
	OL-1224-16	0.0	sw	Moist, loose to very loose, dark gray, coarse to fine SAND, some coarse to fine subround gravel, trace bones, trace shells.	Vibracore	
	OL-1224-17	0.0	sw	Moist, very loose, gray to dark gray, coarse to medium SAND, some medium to fine sub-round gravel, loose.	Vibracore	
	OL-1224-18	0.0	sw	Moist, loose to very loose, light gray to dark gray, fine to medium SAND, little fine to medium sub-round gravel, organic odor.	Vibracore	Sand
	OL-1224-19	0.0	sw	Moist, loose to very loose, light gray to dark gray, fine to medium SAND, little fine to medium sub-round gravel, organic odor.	Vibracore	
	OL-1224-20	0.0	sc	Moist, soft, high plasticity, dark gray, CLAY, soft, some dense fine to very fine sand, petroleum-like odor.	Vibracore	
	OL-1225-01	0.0	sc	Moist, dense, dark gray, high plasticity CLAY, some silt, micacious, dense, trace organic material, strong petroleum-like odor.	Vibracore	Clav
	OL-1225-02	53.0	sc	Moist, dense, dark gray to black, high plasticity CLAY, some fine to very fine dense sand, strong petroleum-like odor.	Vibracore	Clay
	OL-1225-03	12.0	SM	Moist, dense, dark gray, medium to fine SAND, some sitt, micacious, little shells throughout, strong petroleum-like odor.	Vibracore	Sand
	OL-1225-04	0.0	ML	Moist, very soft, lcose, light gray, SILT, trace very fine sand, SOLW, sulfur odor.	Vibracore	
				Maist you get light groy SILT troop fine gond SOLM		Silt
	OL-1225-05	0.0	ML	sulfur odor.	Vibracore	
	Recov	OL-1224-16  OL-1224-17  OL-1224-18  OL-1224-19  OL-1224-20  OL-1225-01  OL-1225-02  OL-1225-04	OL-1224-16 0.0 OL-1224-17 0.0 OL-1224-18 0.0 OL-1224-19 0.0 OL-1224-20 0.0 OL-1225-01 0.0 OL-1225-02 53.0 OL-1225-04 0.0	OL-1224-16         0.0         SW           OL-1224-17         0.0         SW           OL-1224-18         0.0         SW           OL-1224-19         0.0         SW           OL-1224-20         0.0         SC           OL-1225-01         0.0         SC           OL-1225-02         53.0         SC           OL-1225-03         12.0         SM	OL-1224-18  OL-1224-17  OL-1224-17  OL-1224-18  OL-1224-18  OL-1224-18  OL-1224-18  OL-1224-18  OL-1224-19  OL-1224-19  OL-1224-20  OL-1224-20  OL-1225-01  OL-1225-01  OL-1225-02  Moist, loose to very loose, light gray to dark gray, fine to medium SAND, some medium to medium SAND, little fine to medium sub-round gravel, organic odor.  Moist, loose to very loose, light gray to dark gray, fine to medium SAND, little fine to medium sub-round gravel, organic odor.  Moist, loose to very loose, light gray to dark gray, fine to medium sub-round gravel, organic odor.  Moist, loose to very loose, light gray to dark gray, fine to wedium sub-round gravel, organic odor.  OL-1224-20  OL-1225-01  OL-1225-01  OL-1225-01  OL-1225-02  SC Moist, dense, dark gray, hip plasticity CLAY, some silt, micacious, dense, trace organic material, strong petroleum-like odor.  Moist, dense, dark gray to black, high plasticity CLAY, some fine to very fine dense sand, strong petroleum-like odor.  SC Sc Moist, dense, dark gray, medium to fine SAND, some silt, micacious, ilittle shells throughout, strong petroleum-like odor.  OL-1225-03  12.0  Moist, very soft, loose, light gray, SILT, trace very fine sand, SOLW, sulfur odor.  Moist, very soft, loose, light gray, SILT, trace fine sand, SOLW, sulfur odor.	Moist, losse to very losse, dark gray, coarse to fine SAND, some coarse to fine subround gravel, trace bones, trace shells.   Vibracore

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60284

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Northing: 1119375.55 Easting: 928800.95 Mud Line: 361.4 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 11.50

Water Elev: 362.4 Ft

Attempts: 2 Depth Units: Ft

Surface Water Depth: 1 Ft Core Recovery Depth: 10.00 Recov PID USCS Sample Sample Depth Soil Description Stratum ID Method Ft (ppm) Code Moist, loose, dark gray, medium to fine SAND, some silt, 5 micacious, strong petroleum-like odor. 0.0 SM OL-1225-07 Sand Vibracore Moist, dense, dark gray, medium to fine SAND, some clay, high plasticity, little shells throughout sample, strong petroleum-like OL-1225-08 0.0 SC Vibracore Moist, stiff, dark gray, high plasticity CLAY, little silt, trace shells, decaying organic matter, organic odor. OL-1225-09 0.0 CL Clay Vibracore Moist, loose, olive-gray, medium to fine SAND, some silt, low plasticity, trace shells throughout. OL-1225-10 0.0 SM Vibracore Sand

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60285

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Northing: 1119588.61 Easting: 928771.86

Easting: 928771.86 Mud Line: 361.2 Ft

Surface Water Depth: 1.2 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 11.50 Core Recovery Depth: 8.20

Water Elev: 362.4 Ft

Attempts: 3

Depth Units: Ft

Depth	ó	Sample	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratun	
		OL-1226-03	0.0	SM	Moist, loose, light olive gray medium to fine SAND, some silt, micacious, trace varved clay, organic odor.	Vibracore	Sand	
		OL-1226-04	5.0	ML	Moist, soft, olive gray, SILT, light plasticity, some clay, varved, low plasticity, little medium to fine sand, dense, organic odor.	Vibracore	0.14	
		OL-1226-05	8.0	ML	Moist, dense, dark gray, SILT, low plasticity, some clay, varved, dense, little organic material, strong petroleum-like odor.	Vibracore	Silt	
		OL-1226-06	5.0	SM	Moist, loose, olive gray fine to medium SAND, little silt, micacious, trace fine subround gravel, petroleum-like odor.	Vibracore		
Ī		OL-1226-07	0.0	SM	Moist, loose, olive gray fine to medium SAND, little silt, micacious, trace fine subround gravel, petroleum-like odor.	Vibracore		
		OL-1226-08	0.0	SM	Moist, medium dense, olive gray, fine to very fine SAND, some silt, micacious, trace organic matter, petroleum-like odor.	Vibracore	Sand	
		OL-1226-09	0.0	SM	Moist, medium dense, olive gray to dark gray, medium to very fine SAND, little silt, micacious, dense, strong petroleum-like odor.	Vibracore		
		OL-1226-10	0.0	ML	Moist, dense, olive gray, SILT, some clay, dense, low plasticity, varved, little organic matter throughout, oncolytes present, organic odor.	Vibracore		
_		OL-1226-11	0.0	ML	Moist, moderately dense, olive gray, SILT, some clay, dense, low plasticity, varved, trace woody debris, organic odor.	Vibracore	Silt	
_					Moist, dense, olive gray, fine to very fine SAND, some silt,			
		OL-1226-13	0.0	SM	micacious, dense, oncolytes and organic debris present throughout sample, organic odor.	Vibracore	Sand	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60285

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Northing: 1119588.61

Easting: 928771.86 Mud Line: 361.2 Ft

Surface Water Depth: 1.2 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 11.50 Core Recovery D

Water Elev: 362.4 Ft

Attempts: 3
Depth Units: Ft

Donth		Sample	PID	USCS		Sample	
Depth Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1226-14	0.0	SM	Moist, loose, gray, fine, SAND, some woody debris, light sulfur odor.	Vibracore	
		OL-1226-15	0.0	SM	Moist, dense, light gray, fine SAND, some silt, little clay, varved, low plasticity, organic material throughout, sulfur odor.	Vibracore	Sand
							Gang
		OL-1226-16	0.0	SM	Moist, dense, light gray, fine SAND, some silt, little clay, varved, low plasticity, organic material throughout, sulfur odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60286

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph. mix sun & clouds

Northing: 1119819.49

Easting: 928845.82

Mud Line: 361.4 Ft Surface Water Depth: 0.6 Ft **Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 11.00

Water Elev: 362 Ft

Attempts: 3
Depth Units: Ft

Core Recovery Depth: 8.50

Depth	Recov	Sample	PID	USCS		Sample	<b>.</b>
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1226-17	0.0	SM	Moist, loose, olive gray fine to medium SAND, little silt, micacious, trace fine gravel.	Vibracore	
		OL-1227-01	0.0	sw	Moist, loose, olive gray, fine to coarse SAND, some fine to medium loose well rounded gravel, little organic matter, roots, shells, woody debris, organic odor.	Vibracore	
		OL-1226-18	0.0	sw	Moist, loose, olive gray, fine to coarse SAND, some fine to medium well rounded gravel, loose, little organic matter, roots, shells, woody debris, organic odor.	Vibracore	
		OL-1226-19	0.0	sw	Moist, loose, olive gray, fine to coarse SAND, some fine to medium well rounded gravel, loose, strong petroleum-like odor.	Vibracore	
		OL-1226-20	0.0	SM	Moist, loose, light gray fine to medium SAND, some silt, trace oncolyte shells throughout, sulfur odor.	Vibracore	
		OL-1227-02	0.0	sc	Moist, loose, light gray, fine to medium SAND, some clay, sulfur odor.	Vibracore	
-		OL-1227-03	0.0	sc	Moist, loose, soft light gray fine to medium SAND, some clay, low plasticity, sulfur odor.	Vibracore	
		OL-1227-04	15.3	ML	Moist, dense, gray, SILT, some low plasticity clay, little organic matter throughout sample, petroleum-like odor.	Vibracore	
-		OL-1227-05	2.5	SM	Moist, medium dense, gray, fine to very fine SAND, some silt, trace organic material in bottom of recovery, petroleum-like odor.	Vibracore	Marl
_		OL-1227-07	18.2	SM	Moist, loose, light greenish gray, low plasticity SILT, trace clay, sulfur odor.	Vibracore	
5							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60286

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph. mix sun & clouds

Northing: 1119819.49

Easting: 928845.82

Mud Line: 361.4 Ft Surface Water Depth: 0.6 Ft **Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 11.00

Core Recovery Depth: 8.50

Water Elev: 362 Ft

Attempts: 3
Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1227-08	5.9	SM	Moist, loose, greenish gray, fine to very fine SAND, some silt, trace clay, oncolytes throughout sample, sulfur odor.	Vibracore	
		OL-1227-09	9.0	SM	Moist, loose, greenish gray fine to very fine SAND, some silt, loose, trace clay, oncolytes throughout sample, sulfur odor, SOLW.	Vibracore	Marl
-		OL-1227-10	5.0	SC	Moist, medium stiff, greenish gray, low plasticity SILT, some clay, varved, oncolytes throughout, sulfur odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60287

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny & humid

Northing: 1120045.36 Easting: 928925.58 **Driller: Atlantic Testing** 

Water Elev: 362.3 Ft

Mud Line: 361.7 Ft

Logging Company: PARSONS

Attempts: 3
Depth Units: Ft

Surface Water Depth: 0.6 Ft

Geologist: H PHILIP
Ft Penetration Depth: 10.00

Core Recovery Depth: 6.70

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
):		OL-1207-01	0.0	sw	Moist, dark grey, fine to coarse SAND, trace fine sub-angular gravel, some shells, slight petroleum-like odor.	Vibracore	
		OL-1207-02	0.0	sw	Moist, medium dense, dark grey, fine to coarse SAND, trace fine sub-angular grave, trace shells, slight organic odor.	Vibracore	Sand and Gra
		OL-1207-03	0.1	sw	Moist, medium dense, dark grey, fine to coarse SAND, trace fine sub-angular grave, trace shells, trace organics, slight organic odor.	Vibracore	
		OL-1207-04	0.3	SM	Moist, loose, dark grey, fine SAND, little silt, trace shells, petroleum-like odor.	Vibracore	
-		OL-1207-05	0.2	SM	Wet, loose, dark grey, fine to medium SAND, little silt, little shells, sulfur odor, MARL.	Vibracore	
		OL-1207-06	1.2	SM	Top half of core is wet, loose, dark grey, fine to medium SAND, little sitl, little shells, sulfur odor, MARL. Rest of core is wet, soft, dark grey, SILT, trace clay, trace shells, slight petroleum-like odor.	Vibracore	
		OL-1207-07	0.7	SM	Top inch is wet, soft, dark grey, SILT, trace clay, trace shells, slight petroleum-like odor. Rest of core is moist, grey brown, fine SAND, some silt, trace shells, trace organics, slight petroleum-like odor.	Vibracore	
	OL-1207-08	7.2	ML	Moist, dark grey to black, SILT, little organics, strong petroleum-like odor.	Vibracore		
							Marl
		OL-1207-09	0.7	SM	Wet, soft, grey, fine SAND, some silt, little shells, sulfur odor, MARL.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60287

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny & humid

Core Recovery Depth: 6.70

Northing: 1120045.36 Easting: 928925.58 Mud Line: 361.7 Ft

Surface Water Depth: 0.6 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: H PHILIP

Penetration Depth: 10.00

Water Elev: 362.3 Ft

Attempts: 3

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
4		OL-1207-10	11.6	SM	Wet, soft, grey, fine SAND, some silt, little shells, sulfur odor, MARL.	Vibracore	
5 —		OL-1207-11	8.7	SM	Wet, soft, grey, fine SAND, some silt, little shells, sulfur odor, MARL.	Vibracore	Marl
					Wet, soft, grey, fine SAND, some silt, little shells, sulfur		
6.5		OL-1207-12	1.2	SM	odor, MARL.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60288

Date: 05/26/2010

Weather: low 90s, winds NW 5-15mph, sun

Northing: 1117564.70

Driller: Anchor QEA

Water Elev: 362.6 Ft

Easting: 928141.30

Logging Company: PARSONS

Attempts: 1

Mud Line: 360.2 Ft

Geologist: H. PHILIP

Depth Units: Ft

Surface Water Depth: 2.4 Ft

Penetration Depth: 12.00

Core Recovery Depth: 10.80

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1215-04	0.0	SM	Wet, loose, dark brown, fine to medium SAND, little silt, little shell fragments, organic odor.	Vibracore	
		OL-1215-05	0.0	SM	Wet, loose, dark brown, fine to medium SAND, little silt, little shell fragments, organic odor.	Vibracore	
		OL-1215-06	1.2	SM	Wet, loose, dark brown, fine to medium SAND, little silt, little shell fragments, slight petroleum-like odor.	Vibracore	Sand
		OL-1215-07	0.5	SM	Wet, loose, dark brown, fine to medium SAND, little silt, little shell fragments, petroleum-like and sulfur odor.	Vibracore	
		OL-1215-08	0.8	ML	Wet, soft, grey brown, SILT, some fine sand, some shells, trace organics, sulfur odor, MARL.	Vibracore	
		OL-1215-09	5.3	ML	Wet, soft, grey brown, SILT, some fine sand, some shells, trace organics, sulfur odor, MARL, visible NAPL in sample.	Vibracore	
		OL-1215-10	1.2	ML	Wet, soft, grey brown, SILT, some fine sand, some shells, trace organics, sulfur odor, MARL.	Vibracore	
		OL-1215-11	1.0	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, trace organics, sulfur odor, MARL.	Vibracore	
-		OL-1215-13	8.4	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, trace organics, sulfur odor, MARL.	Vibracore	Marl
-		OL-1215-14	52.1	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, trace organics, sulfur odor, MARL.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60288

Date: 05/26/2010

Weather: low 90s, winds NW 5-15mph, sun

Northing: 1117564.70

Driller: Anchor QEA

Water Elev: 362.6 Ft

Easting: 928141.30

Logging Company: PARSONS

Attempts: 1

Mud Line: 360.2 Ft

Geologist: H. PHILIP

Depth Units: Ft

Surface Water Depth: 2.4 Ft

Penetration Depth: 12.00

Core Recovery Depth: 10.80

Depth	δ	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1215-15	5.1	ML	Wet, soft, grey brown, SILT, little fine sand, little shells, trace organics, sulfur odor, MARL.	Vibracore	
		OL-1215-16	4.1	ML	Wet, soft, grey brown, SILT, little fine sand, little shells, trace organics, sulfur odor, MARL.	Vibracore	
							Marl
		OL-1215-17	92.2	ML	Wet, soft, grey brown, SILT, little fine sand, little shells, trace organics, sulfur odor, MARL.	Vibracore	
		OL-1215-18	3.8	ML	Wet, soft, grey brown, SILT, little fine sand, little shells, trace organics, sulfur odor, MARL.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60289

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1118014.09 Easting: 928500.60

**Driller: Atlantic Testing** 

Water Elev: 362.5 Ft

Logging Company: PARSONS

Attempts: 2

Mud Line: 361.7 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.8 Ft

Penetration Depth: 11.50

Core Recovery Depth: 6.40

Depth	Recov	Sample	PID	USCS	0.110	Sample	O4 *
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1252-18	0.0	PT	Wet, loose, organic material, trace fine to coarse sand, trace Phragmites.	Vibracore	
		OL-1252-17	0.0	PT	Wet, loose, organic material, trace fine to coarse sand, trace Phragmites.	Vibracore	
		OL-1252-19	0.0	PT	Wet, loose, organic material, some fine to coarse sand, trace Phragmites.	Vibracore	Organics
		OL-1252-20	0.0	PT	Wet, loose, organic material, some fine to coarse sand, trace Phragmites.	Vibracore	
		OL-1253-01	0.0	SM	Wet, loose, black, medium to fine SAND, some organic material, trace wood fragments.	Vibracore	Sand
		OL-1253-02	0.0	GM	Wet, medium dense, black, fine to coarse GRAVEL, some fine to coarse sand, trace silt, trace organic material.	Vibracore	
		OL-1253-03	0.0	GM	Wet, medium dense, black, fine to coarse GRAVEL, some fine to coarse sand, trace silt, trace organic material.	Vibracore	
		OL-1253-04	0.0	GM	Wet, medium dense, black, fine to coarse GRAVEL, little fine to coarse sand, little silt, some organic material.	Vibracore	Gravel
		OL-1253-05	0.0	SM	Wet, very loose, black, fine to coarse SAND, some fine to coarse gravel, little silt, little organic material.	Vibracore	Sand
							Sand

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60289

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1118014.09

Easting: 928500.60

Mud Line: 361.7 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 2

Depth Units: Ft

Surface Water Depth: 0.8 Ft Penetration Depth: 11.50 Core Recovery Depth: 6.40

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	ď	ID	(ppm)	Code	Wet, very loose, black, fine to coarse SAND, some fine to	Method	Gliatuiii
4		OL-1253-06	0.0	SM	coarse gravel, little silt, little organic material.	Vibracore	Sand
5		OL-1253-07	0.0	ML	Wet, soft, black, SILT, some fine to coarse sand, trace fine gravel, little organic material, slight organic odor.	Vibracore	
							Silt
		OL-1253-08	0.0	ML	Wet, soft, black, SILT, some fine to coarse sand, trace fine gravel, little organic material, slight organic odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60290

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sun

Northing: 1118112.30

Easting: 928282.30 Mud Line: 357 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H. PHILIP

Water Elev: 362.6 Ft

Attempts: 2

epth	2	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
		OL-1216-14	0.0	SM	Wet, loose, dark grey, fine SAND, some silt, sulfur odor.	Vibracore	
		OL-1216-15	0.0	SM	Wet, loose, dark grey, fine SAND, some silt, trace shells, sulfur odor.	Vibracore	
		OL-1216-16	0.0	SM	Wet, loose, dark grey, fine SAND, some silt, trace shells, sulfur odor.	Vibracore	Sand
		OL-1216-17	0.0	SM	Wet, loose, dark grey, fine SAND, some silt, trace shells, sulfur odor.	Vibracore	
		OL-1216-18	0.0	SM	Wet, loose, dark grey, fine SAND, some silt, trace shells, sulfur odor.	Vibracore	
		OL-1216-19	0.0	ML	Wet, soft, black, SILT, little fine sand, trace shells, organic odor.	Vibracore	
		OL-1216-20	0.0	ML	Wet, soft, black, SILT, little fine sand, trace shells, organic odor.	Vibracore	
		OL-1217-01	0.1	ML	Wet, soft, black, SILT, little fine sand, trace shells, organic odor.	Vibracore	
		OL-1217-03	0.3	ML	Wet, soft, black, SILT, little fine Sand, organic odor.	Vibracore	Silt
_		OL-1217-04	2.3	ML	Wet, soft, black, SILT, trace fine sand, organic odor.	Vibracore	

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#### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60290

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sun

Northing: 1118112.30

Driller: Anchor QEA

Water Elev: 362.6 Ft

Easting: 928282.30

Logging Company: PARSONS

Attempts: 2

Mud Line: 357 Ft

Geologist: H. PHILIP

Depth Units: Ft

Surface Water Depth: 5.6 Ft

Penetration Depth: 12.00

Core Recovery Depth: 11.00

Depth Ft	Recov	Sample ID	PID (ppm)	USCS	Soil Description	Sample Method	Stratum
		OL-1217-05	1.1	ML	Wet, soft, black, SILT, trace fine sand, organic odor.	Vibracore	
		OL-1217-06	1.3	ML	Wet, soft, black, SILT, trace fine sand, trace clay, trace organics, organic odor.	Vibracore	
<u>.</u>							Silt
		OL-1217-07	3.2	ML	Wet, soft, black, SILT, trace fine sand, trace clay, trace organics, organic odor.	Vibracore	
		OL-1217-08	0.9	ML	Wet, soft, black, SILT, trace fine sand, trace clay, trace organics, slight petroleum-like odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60290A

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sun

Northing: 1118116.30

Easting: 928267.30

Mud Line: 358.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: H. PHILIP

Core Recovery Depth: 11.40

Water Elev: 362.6 Ft

Attempts: 1 Depth Units: Ft

Depth	6	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratun
)		OL-1215-19	0.2	SM	Moist, loose, dark brown, fine SAND, some silt, trace organics, micatious, organic odor.	Vibracore	
		OL-1215-20	0.0	SM	Moist, loose, dark brown, fine SAND, some silt, trace organics, micatious, organic odor.	Vibracore	
		OL-1216-01	0.0	SM	Moist, loose, dark brown, fine SAND, some silt, trace organics, micatious, organic odor.	Vibracore	
		OL-1216-02	0.0	SM	Moist, loose, dark brown, fine SAND, some silt, trace organics, micatious, organic odor.	Vibracore	Sand
-	1	OL-1216-03	0.0	SM	Moist, loose, dark grey, fine SAND, some silt, trace organics, micatious, slight petroleum-like odor.	Vibracore	
		OL-1216-04	0.0	SM	Moist, loose, dark grey, fine SAND, some silt, trace organics, micatious, slight petroleum-like odor.	Vibracore	
		OL-1216-05	0.0	ML	Wet, soft, dark grey, SILT, little fine sand, trace organics, petroleum-like odor.	Vibracore	
		OL-1216-06	0.0	ML	Wet, soft, dark grey and black, SILT, trace fine sand, petroleum-like odor, NAPL present.	Vibracore	
		OL-1216-08	0.8	ML	Wet, soft, dark grey, SILT, little fine sand, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-1216-09	0.5	ML	Wet, soft, dark grey, SILT, little fine sand, trace organics, petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60290A

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sun

Northing: 1118116.30

Easting: 928267.30 Mud Line: 358.4 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H. PHILIP

Penetration Depth: 12.00

Water Elev: 362.6 Ft

Attempts: 1

Surface	Water	Depth: 4.2 Ft	Pe	netration	Depth: 12.00 Core Recovery Depth: 11.40		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1216-10	1.8	ML	Wet, soft, dark grey, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
-		OL-1216-11	0.6	ML	Wet, soft, dark grey, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
							Silt
_		OL-1216-12	2.3	ML	Wet, soft, dark grey, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	
		OL-1216-13	0.2	ML	Wet, soft, dark grey, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	

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PID

(ppm)

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60291

Soil Description

trace fine subangular gravel, moderate petroleum-like odor

Moist, loose, light gray, SAND, medium to fine, some silt,

Moist, loose, light gray, fine to medium SAND, some silt,

Moist, loose, light gray, fine to medium SAND, some silt,

Moist, loose, light gray, fine to medium SAND, some silt,

Moist, loose, light gray, fine to medium SAND, some silt,

Moist, loose, light gray to brown, fine to medium SAND,

Moist, medium dense, light gray to brown, fine to very fine

Moist, medium dense, light gray to brown, SAND, some silt,

Moist, medium dense, light gray to brown, SAND, some silt,

some silt, micacious, little clay, trace shells throughout sample,

micacious, trace fine subangular gravel, organic odor.

micacious, trace shells throughout.

micacious, trace shells throughout.

leaves, trace shells.

woody debris, slight petroleum-like odor.

micacious, trace fine subangular gravel, organic odor.

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Northing: 1118894.88

Easting: 928620.07 Mud Line: 360 Ft

Surface Water Depth: 2 Ft

Sample

ID

OL-1224-01

OL-1224-02

OL-1224-03

OL-1224-04

OL-1224-05

OL-1224-06

OL-1224-07

OL-1224-08

OL-1224-10

OL-1224-11

Depth

Ft

0

Driller: Anchor QEA

USCS

Code

SM

SM

SM

SM

SM

SM

SM

SM

SM

SM

no odor.

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 12.00

Core Recovery Depth: 9.50

Attempts: 2

Water Elev: 362 Ft

Depth Units: Ft Sample Stratum Method Moist, loose, brown, fine to medium SAND, some silt, micacious, Vibracore Vibracore micacious, few shells, trace fine subangular gravel, organic odor. Vibracore Vibracore Vibracore Vibracore Vibracore SAND, some silt, micacious, little organic matter, roots and delterious Vibracore Sand micacious, little organic material, trace shells, moderate plasticity. Vibracore micacious, little organic material, trace shells, moderate plasticity, Vibracore

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60291

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Northing: 1118894.88 Easting: 928620.07

Logging Company: PARSONS

Driller: Anchor QEA

Water Elev: 362 Ft

Mud Line: 360 Ft

Geologist: B. MCALLISTER

Attempts: 2 Depth Units: Ft

Surface Water Depth: 2 Ft

Penetration Depth: 12.00

Core Recovery Depth: 9.50

Depth	So	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1224-12	0.0	sc	Moist, dense, light gray, fine to very fine SAND, some clay varved, little organic material, trace shells.	Vibracore	
		OL-1224-13	0.0	SM	Moist, dense, light gray, fine SAND, some silt, some clay, varved, little shells and organic matter, roots throughout.	Vibracore	
							Sand
		OL-1224-14	0.0	SM	Moist, dense, light gray, very fine SAND, some silt, some clay, varved, trace shells and organic matter, roots.	Vibracore	
+		OL-1224-15	0.0	SP-SM	Moist, loose, dark gray, fine to coarse SAND, little silt, micacious, trace fine subround gravel, organic odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60292

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Northing: 1118934.26

Easting: 928487.42

Mud Line: 359.7 Ft Surface Water Depth: 2.3 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: B. MCALLISTER

Water Elev: 362 Ft

Attempts: 2

Depth	6	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratun
)		OL-1228-20	0.0	SM	Moist, soft, light brown, fine to medium SAND, some silt, micacious, trace coarse well rounded gravel, organic odor.	Vibracore	
		OL-1229-01	0.0	SM	Moist, medium dense, light gray, fine to very fine SAND, some silt, micacious, trace coarse well rounded gravel, organic odor.	Vibracore	
	Ш	OL-1229-02	0.0	SM	Moist, medium dense, light gray, fine to very fine SAND, some silt, micacious, organic odor.	Vibracore	
		OL-1229-03	0.0	SM	Moist, dense, light gray, medium to fine SAND, little silt, micacious, trace shells throughout sample, organic odor.	Vibracore	
		OL-1229-04	0.0	SM	Moist, dense, light gray, fine SAND, little silt, micacious, trace fine sub-round gravel, organic odor.	Vibracore	
	П	OL-1229-05	0.0	SM	Moist, very dense, light gray, fine SAND, some silt, light gray, varved, interbedded with sand/silt, trace shells in sand portion only, organic odor.	Vibracore	
		OL-1229-06	0.0	SM	Moist, dense, brown, fine SAND, little silt, dense, trace shells throughout, organic odor.	Vibracore	Sand
					Moist, dense, brown, fine SAND, some silt, interbedded,		
		OL-1229-07	0.0	SM	little shells throughout, organic odor.	Vibracore	
		OL-1229-09	0.0	SM	Moist, dense, brown, fine to medium SAND, some silt, interbedded, little organic material throughout sample, trace shells, sulfur odor.	Vibracore	
+		OL-1229-10	0.0	SM	Moist, dense, brown, fine SAND, some silt, little organic material, roots throughout sample, trace shells, woody debris, organic odor.	Vibracore	Mari

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60292

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Northing: 1118934.26

Easting: 928487.42

Mud Line: 359.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: B. MCALLISTER

Water Elev: 362 Ft

Attempts: 2

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1229-11	0.0	SC	Moist, dense, brown, fine SAND, some silt, little clay, shells throughout, organic odor.	Vibracore	
		OL-1229-12	0.0	SC	Moist, dense, brown, fine to very fine SAND, some light gray clay, varved, little organic material, roots throughout sample, trace shells, organic odor.	Vibracore	
							Marl
		OL-1229-13	0.0	CL	Moist, soft, brown. CLAY, high plasticity, little silt, trace organic roots and shells throughout sample, little woody debris, organic odor.	Vibracore	
		OL-1229-14	0.0	CL	Moist, soft, brown. CLAY, high plasticity, little silt, trace organic roots and shells throughout sample, little woody debris, organic odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60293

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny & humid

Northing: 1118906.55

Easting: 928155.36

Mud Line: 358.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H. PHILIP

Water Elev: 361.7 Ft

Attempts: 2

	> 1	2 7 7 7 7 7				Τ Ι	
Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	œ	ID	(ppm)	Code	Wet, medium dense, dark brown, fine to medium SAND, little	Method	O to data i i
		OL-1207-13	0.4	SM	silt, trace organics, organic odor.	Vibracore	
		OL-1207-14	0.3	SM	Wet, medium dense, dark brown, fine to medium SAND, little silt, trace organics, organic odor.	Vibracore	Sand
		OL-1207-15	0.4	SM	Wet, loose, dark grey, fine SAND, little silt, trace clay seam, trace oganics, strong petroleum-like odor.	Vibracore	
		OL-1207-16	5.1	ML	Wet, soft, dark grey to black, SILT, little clay, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-1207-17	1.5	SM	0 to 1.5 inches is wet, soft, dark grey to black, SILT, little clay, trace fine sand, petroleum-like odor. Rest of core is wet, loose, dark grey, fine SAND, little silt, petroleum like odor.	Vibracore	
		OL-1207-18	1.7	SM	Wet, loose, dark grey, fine SAND, little silt, petroleum like odor.	Vibracore	
		OL-1207-20	0.4	SM	Wet, loose, dark grey, fine SAND, little silt, petroleum like odor.	Vibracore	Cond
		-					Sand
	П	OL-1208-01	0.5	SM	Wet, loose, dark grey, fine SAND, little silt, petroleum like odor.	Vibracore	
+		OL-1208-03	0.3	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, trace organics, slight sulfur odor, MARL.	Vibracore	
†		OL-1208-04	0.3	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, trace organics, slight sulfur odor, MARL.	Vibracore	Marl
1 1						1	

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60293

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny & humid

Northing: 1118906.55

Driller: Anchor QEA

Water Elev: 361.7 Ft

Easting: 928155.36

Logging Company: PARSONS

Attempts: 2

Mud Line: 358.4 Ft

Geologist: H. PHILIP

Depth Units: Ft

Surface Water Depth: 3.3 Ft

Penetration Depth: 12.00 Core I

Core Recovery Depth: 10.00

epth S	Sample ID	PID	USCS Code	Soil Description	Sample Method	Stratum
Ft Œ	OL-1208-05	(ppm) 0.3	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, trace organics, slight sulfur odor, MARL.	Vibracore	
	OL-1208-06	0.4	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, trace organics, slight sulfur odor, MARL.	Vibracore	
						Marl
	OL-1208-07	0.5	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, trace organics, slight sulfur odor, MARL.	Vibracore	
-	OL-1208-08	0.4	ML.	Wet, soft, grey brown, SILT, little fine sand, some shells, trace organics, slight sulfur odor, MARL.		

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60294

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny & humid

Core Recovery Depth: 10.00

Northing: 1119184.50

Easting: 928151.60

Mud Line: 357.2 Ft

Surface Water Depth: 5.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H PHILIP

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

Depth	700	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1208-09	1.8	ML	Wet, soft, dark grey and black, SILT, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-1208-10	1.9	SM	Wet, loose, dark grey and black, fine SAND, little silt, trace shell fragments, petroleum-like odor.	Vibracore	
		OL-1208-11	1.7	SM	Wet, loose, dark grey and black, fine SAND, little silt, trace shell fragments, petroleum-like odor.	Vibracore	
		OL-1208-12	0.7	SM	Wet, loose, dark grey and black, fine SAND, trace silt, trace shell fragments, petroleum-like odor.	Vibracore	
		OL-1208-13	1.2	SM	Wet, loose, dark grey and black, fine SAND, little silt, trace shell fragments, petroleum-like odor.	Vibracore	Sand
		OL-1208-14	0.5	SM	Moist, medium stiff, dark grey and black, fine SAND, little silt, trace shell fragments, petroleum-like odor.	Vibracore	
		OL-1208-15	0.5	SM	Moist, medium stiff, dark grey and black, fine SAND, little silt, trace shell fragments, petroleum-like odor.	Vibracore	
		OL-1208-16	0.5	SM	to 3 inches is moist, soft, dark brown, SILT and fine Sand, trace shells, trace organics, slight sulfur odor. Rest of core is moist, soft, black to dark grey, SILT, trace fine sand, organic odor.	Vibracore	
		OL-1208-17	0.5	ML	Wet, soft, grey, SILT, little fine sand, some shells, little organics, sulfur odor, MARL.	Vibracore	Marl
					Wet, soft, grey, SILT, little fine sand, some shells, little		iviaii
		OL-1208-18	0.4	ML	organics, sulfur odor, MARL.	Vibracore	
; ⊥ l	L <b>1</b>		. L J		L	<sub>]</sub>	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60294

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny & humid

Northing: 1119184.50 Easting: 928151.60 Mud Line: 357.2 Ft

Logging Company: PARSONS

Geologist: H PHILIP

Driller: Anchor QEA

Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

epth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
		OL-1208-19	0.4	ML	Wet, soft, brown, SILT, trace fine sand, little shells, little organics, sulfur odor, MARL.	Vibracore	
		OL-1208-20	0.4	ML	Wet, soft, brown, SILT, trace fine sand, little shells, little organics, sulfur odor, MARL.	Vibracore	
							Marl
		OL-1209-01	0.4	ML	Wet, soft, brown, SILT, trace fine sand,trace clay, little shells, little organics, sulfur odor, MARL.	Vibracore	
+		OL-1209-02	0.4	ML	Wet, soft, brown, SILT, trace fine sand trace clay, little shells, little organics, sulfur odor, MARL.	Vibracore	

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Honeywel

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60294A

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1119173.10

Easting: 928140.65 Mud Line: 357.5 Ft

Surface Water Depth: 5 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

Depth Units: Ft

Core Recovery Depth: 9.70 Recov Sample PID USCS Sample Depth Soil Description Stratum ID Code Method Ft (ppm) Wet, very soft, black, SILT, trace organics, strong petroleum-like 0 OL-1235-11 0.0 ML Vibracore Wet, very soft, black, SILT, trace organics, trace shells, ML 0.0 Silt OL-1235-12 strong petroleum-like odor. Vibracore Wet, very soft, black, SILT, little sand, fine, trace shells, 0.0 ML OL-1235-14 trace organics, strong petroleum-like odor. Vibracore Wet, very loose, dark gray, fine SAND, little silt, trace OL-1235-13 0.0 SM clay, trace shells, strong petroleum-like odor. Vibracore Moist, loose, dark gray, fine SAND, trace medium sand, trace SM OL-1235-15 0.0 silt, trace organics, slight petroleum-like odor. Vibracore Moist, loose, dark gray, fine SAND, trace medium sand, trace SM 0.0 Sand OL-1235-16 silt, trace organics, slight petroleum-like odor. Vibracore Moist, loose, dark gray, fine SAND, trace medium sand, trace OL-1235-17 0.0 SM silt, trace organics, trace wood fragments, slight petroleum-like Vibracore Wet, very soft, dark gray, SILT, little fine sand, trace shells, very slight petroleum-like odor. OL-1235-18 0.0 MI Vibracore Silt Wet, very soft, gray, SILT, little to trace fine sand, little shells, trace organics, sulfur odor, MARL. OL-1235-19 0.2 ML Vibracore Marl Wet, very soft, gray, SILT, little to trace fine sand, little shells, trace organics, sulfur odor, MARL. OL-1235-20 0.1 ML Vibracore

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60294A

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1119173.10

Easting: 928140.65 Mud Line: 357.5 Ft

Surface Water Depth: 5 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 9.70

Depth	ò	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1236-01	0.2	ML	Wet, very soft, gray brown, SILT, trace clay, trace shells, trace organics, MARL.	Vibracore	
		OL-1236-03	0.2	ML	Wet, very soft, very brown, SILT, little clay, little shells, trace organics, low plasticity, sulfur odor, MARL.	Vibracore	
							Marl
		OL-1236-04	0.2	ML	Wet, very soft, very brown, SILT, little clay, little shells, trace organics, low plasticity, sulfur odor, MARL.	Vibracore	
		OL-1236-05	0.3	ML	Wet, very soft, gray brown, SILT, little clay, trace shells, trace organics, sulfur odor, MARL.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60295

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1119186.22

Easting: 928691.45

Mud Line: 360.6 Ft Surface Water Depth: 1.9 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 1

epth	6	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratur
		OL-1254-18	0.0	ML	Wet, stiff, black, SILT, trace fine sand, trace cobbles, petroleum-like odor.	Vibracore	
		OL-1254-19	0.0	ML	Wet, soft, dark brown, SILT, some fine to medium sand, trace shells, petroleum-like odor.	Vibracore	Silt
		OL-1254-20	0.0	SM	Wet, loose, dark brown, medium to fine SAND, little silt, trace coarse gravel, trace shells, slight petroleum-like odor.	Vibracore	
		OL-1255-01	0.0	SM	Wet, loose, medium brown, fine to coarse SAND.	Vibracore	
-		OL-1255-02	0.0	SM	Wet, loose, medium brown, fine to coarse SAND, trace organic material.	Vibracore	
		OL-1255-03	0.0	SM	Wet, loose, medium brown, fine to coarse SAND, trace organic material, trace shells.	Vibracore	
		OL-1255-04	0.0	SM	Wet, loose, medium brown, fine to coarse SAND, little silt, trace organic material, trace shells.	Vibracore	
		OL-1255-05	0.0	SM	Wet, loose, medium brown, fine to coarse SAND, little silt, trace organic material, trace shells.	Vibracore	
+		OL-1255-07	0.0	SM	Wet, loose, medium brown, fine to coarse SAND, some silt, trace organic material, trace shells.	Vibracore	Sand
		OL-1255-08	0.0	SM	Wet, loose, medium brown, fine to coarse SAND, little silt, trace shells.	Vibracore	

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60295

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, mix sun & clouds

Northing: 1119186.22

Driller: Anchor QEA

Water Elev: 362.5 Ft

Easting: 928691.45

Logging Company: PARSONS

Attempts: 1

Mud Line: 360.6 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 1.9 Ft

Penetration Depth: 12.00

Core Recovery Depth: 10.00

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1255-09	0.0	SM	Wet, loose, medium brown, fine to coarse SAND, some silt, trace organic material, trace shells.	Vibracore	Sand
		OL-1255-10	0.0	ML	Wet, stiff, medium brown, SILT, little fine sand, trace shells.	Vibracore	
_		OL-1255-11	0.0	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells, trace organic material.	Vibracore	Silt
		OL-1255-12	0.0	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace clay, trace shells, trace organic material.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60296

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny & humid

Northing: 1119463.20

Easting: 928425.80

Mud Line: 359.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H PHILIP

Water Elev: 362.5 Ft

Attempts: 1

A	>	Causala	DID	LICCO		Communic	
Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	œ	ID	(ppm)	Code	Wet, loose, dark grey and black, fine SAND, some silt, trace	Method	
		OL-1209-03	1.9	SM	shell fragments, trace organics, stong petorleum-like odor.	Vibracore	0
		OL-1209-04	11.0	SM	Wet, loose, dark grey and black, fine SAND and SILT, trace shell fragments, trace organics, stong petorleum-like odor.	Vibracore	Sand
		OL-1209-05	4.6	ML	Wet, loose, dark grey and black, SILT, trace fine sand, trace organics, stong petorleum-like odor.	Vibracore	Cit
		OL-1209-06	1.1	ML	Wet, loose, brown and dark grey, SILT, trace fine sand, trace organics, stong petorleum-like odor.	Vibracore	Silt
		OL-1209-07	2.4	SM	Wet, loose, dark grey, fine SAND, some silt, trace shells, trace organics, petroleum-like odor.	Vibracore	
		OL-1209-08	0.6	SM	Moist, loose, brown, fine SAND, little silt, trace shells, trace organics, petroleum-like odor.	Vibracore	
		OL-1209-09	1.7	SM	Moist, loose, brown, fine SAND, little silt, trace shells, trace organics, petroleum-like odor.	Vibracore	
		OL-1209-10	0.9	SM	Moist, dense, dark brown, fine SAND, little silt, little shells, little organics, slight petroleum-like odor.	Vibracore	Sand
		OL-1209-12	0.5	ML	Moist, soft, grey, SILT, little fine sand, little shells, trace organics, organic odor.	Vibracore	
		OL-1209-13	0.5	ML	Moist, soft, grey, SILT, trace fine sand, little shells, trace organics, organic odor.	Vibracore	Silt

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### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60296

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny & humid

Core Recovery Depth: 10.00

Northing: 1119463.20

Easting: 928425.80

Surface Water Depth: 3.2 Ft

Mud Line: 359.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H PHILIP

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

Depth	20	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1209-14	0.5	ML	Moist, soft, grey, SILT, trace fine sand, little shells, trace organics, sulfur odor, MARL.	Vibracore	
-		OL-1209-15	0.5	ML	Moist, soft, grey, SILT, trace fine sand, little shells, trace organics, organic odor, MARL.	Vibracore	
							Marl
_		OL-1209-16	0.5	ML	Moist, soft, grey, SILT, trace fine sand, trace clay, little shells, trace organics, organic odor, MARL.	Vibracore	
					Moist, soft, grey, SILT, trace fine sand, trace clay, little shells, trace organics, organic odor, MARL.		
		OL-1209-17	0.5	ML		Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60297

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sunny

Northing: 1120415.40

Driller: Anchor QEA

Water Elev: 362.5 Ft

Easting: 928463.20

Logging Company: PARSONS

Attempts: 1

Mud Line: 357.8 Ft

Geologist: H. PHILIP

Depth Units: Ft

Surface Water Depth: 4.7 Ft

Penetration Depth: 12.00

Core Recovery Depth: 11.10

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1214-05	0.2	SM	Wet, loose, brown, fine SAND, little silt, little shells, trace organics, trace oncolites, sulfur odor, MARL.	Vibracore	
	П	OL-1214-06	0.1	ML	Wet, soft, brown, SILT, some fine sand, little shells, trace organics, trace oncolites, sulfur odor, MARL.	Vibracore	
		OL-1214-07	0.3	ML	Wet, soft, brown, SILT, some fine sand, little shells, trace organics, trace oncolites, sulfur odor, MARL.	Vibracore	
		OL-1214-08	0.2	ML	Wet, soft, brown, SILT, some fine sand, little shells, trace organics, trace oncolites, sulfur odor, MARL.	Vibracore	
		OL-1214-09	0.2	SM-ML	Wet, loose, grey brown, fine SAND and Silt, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	
		OL-1214-10	0.0	SM-ML	Wet, loose, grey brown, fine SAND and Silt, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	
		OL-1214-11	0.3	SM-ML	Wet, loose, grey brown, fine SAND and Silt, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	
		OL-1214-12	0.6	SM-ML	Wet, loose, grey brown, fine SAND and Silt, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	Marl
_		OL-121 <b>4-</b> 13	0.1	SM-ML	Wet, loose, grey brown, fine SAND and Silt, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	
		OL-1214-14	1.1	ML	Wet, loose, grey brown, SILT, some fine sand, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	
5							

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### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60297

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sunny

Core Recovery Depth: 11.10

Northing: 1120415.40

Easting: 928463.20

Surface Water Depth: 4.7 Ft

Mud Line: 357.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H. PHILIP

Penetration Depth: 12.00

Water Elev: 362.5 Ft

Attempts: 1

Depth	30	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1214-15	1.3	ML	Wet, loose, grey brown, SILT, some fine sand, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	
		OL-1214-16	0.1	ML	Wet, loose, grey brown, SILT, and some fine sand, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	
-							Marl
		OL-1214-17	0.3	ML	Wet, loose, grey brown, SILT, and some fine sand, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	
		OL-1214-18	1.2	ML	Wet, loose, grey brown, SILT, some fine sand, some shells, trace organics, strong sulfur odor, MARL.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60302

Date: 06/14/2010

Weather: Mid 70s, winds W-NW 10-20 mph, cloudy

Northing: 1117462.01

Easting: 928027.60

Mud Line: 359.4 Ft Surface Water Depth: 3.1 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.5 Ft

Attempts: 1

Depth	ó	Sample	PID	USCS		Sample				
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum			
)		OL-1301-01	0.3	SM	Wet, medium dense, medium brown, fine to coarse SAND, trace silt.	Vibracore	Sand			
		OL-1301-02	1.3	SM	Wet, medium dense, medium brown, fine to coarse SAND, trace silt.	Vibracore				
	М	OL-1301-03	34.8	SM	Wet, medium dense, medium brown, fine to coarse SAND, trace stilt, trace shells, sulfur odor.	Vibracore				
	П	OL-1301-04	20.6	SM	Wet, medium dense, medium brown, fine to coarse SAND, little silt, trace shells, sulfur odor.	Vibracore				
1070	H	R	R		OL-1301-05	1.0	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore	
					OL-1301-06	12.2	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore	
		OL-1301-07	9.8	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore				
		OL-1301-08	19.8	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore				
		OL-1301-10	4.9	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore	Marl			
		OL-1301-11	31.3	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore				

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#### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60302

Date: 06/14/2010

Weather: Mid 70s, winds W-NW 10-20 mph, cloudy

Northing: 1117462.01 Easting: 928027.60

Driller: Anchor QEA

Water Elev: 362.5 Ft

Mud Line: 359.4 Ft

Logging Company: PARSONS

Attempts: 1

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 3.1 Ft

Penetration Depth: 11.20 Core Recovery Depth: 10.00

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1301-12	4.0	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore	
		OL-1301-13	18.4	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore	
		OL-1301-14	9.3	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore	Marl
9.5		OL-1301-15	1.7	SM	Wet, medium dense, light brown, medium to fine SAND and Silt, trace shells, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60303

Date: 06/14/2010

Weather: Mid 70s, winds W-NW 10-20mph, cloudy

Core Recovery Depth: 10.00

Northing: 1118643.14

Easting: 928322.36

Mud Line: 358.8 Ft

Surface Water Depth: 3.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 10.00

Water Elev: 362.5 Ft

Attempts: 1

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1301-16	1.1	ML	Wet, soft, medium brown, SILT, some fine sand, slight petroleum like odor.	Vibracore	Silt
		OL-1301-17	1.1	SM	Wet, medium dense, medium brown, medium to fine SAND, some silt, slight petroleum like odor.	Vibracore	
	Н	OL-1301-18	0.8	SM	Wet, medium dense, brown, medium to fine SAND.	Vibracore	
		OL-1301-19	0.9	SM	Wet, medium dense, brown, medium to fine SAND, trace shells.	Vibracore	
		OL-1301-20	0.1	SM	Wet, medium dense, light brown, medium to fine SAND, trace silt, trace shells.	Vibracore	
		OL-1302-01	0.2	SM	Wet, medium dense, light brown, medium to fine SAND, trace silt, trace shells	Vibracore	
		OL-1302-02	0.2	SM	Wet, medium dense, light brown, medium to fine SAND, little silt, trace shells.	Vibracore	
		OL-1302-03	0.0	ML	Wet, medium stiff, brown, SILT and fine Sand, trace shells, trace sulfur odor.	Vibracore	Marl
		OL-1302-05	0.0	ML	Wet, medium stiff, brown, SILT and fine Sand, trace shells, trace sulfur odor.	Vibracore	
		OL-1302-06	0.0	ML	Wet, medium stiff, brown, SILT and fine Sand, trace shells, trace sulfur odor.	Vibracore	
,							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60303

Date: 06/14/2010

Weather: Mid 70s, winds W-NW 10-20mph, cloudy

Northing: 1118643.14

Driller: Anchor QEA

Water Elev: 362.5 Ft

Easting: 928322.36 Mud Line: 358.8 Ft Logging Company: PARSONS

Attempts: 1

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 3.7 Ft

Penetration Depth: 10.00

Core Recovery Depth: 10.00

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1302-07	0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace shells, trace sulfur odor.	Vibracore	
		OL-1302-08	0.1	ML	Wet, medium stiff, brown, SILT, some fine sand, trace shells, trace sulfur odor.	Vibracore	
							Marl
		OL-1302-09	0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace shells, trace sulfur odor.	Vibracore	
		OL-1302-10	0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace shells, trace sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60304

Date: 06/14/2010

Weather: Mid 70s, winds W-NW 10-20mph, cloudy

Northing: 1118792.83

Easting: 928487.36 Mud Line: 360.6 Ft

Surface Water Depth: 2.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 10.00 Core Recovery Depth: 9.60

Water Elev: 363.5 Ft

Attempts: 1

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1303-01	0.1	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace shells.	Vibracore	
		OL-1303-02	0.1	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace shells.	Vibracore	
	П	OL-1303-03	0.1	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace shells, slight sulfur like odor.	Vibracore	
		OL-1303-04	0.1	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace shells, slight sulfur like odor.	Vibracore	
		OL-1303-05	0.1	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace shells, slight sulfur like odor.	Vibracore	
		OL-1303-06	0.2	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace silt, trace shells, slight sulfur like odor.	Vibracore	
Į,	Ц	OL-1303-07	0.2	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace silt, trace shells, slight sulfur like odor.	Vibracore	
		OL-1303-08	0.3	SM	Wet, medium dense, dark brown, fine to coarse SAND, some silt, trace shells, slight sulfur odor.	Vibracore	Marl
		OL-1303-10	0.0	ML-SM	Wet, medium stiff, brown, SILT and fine Sand, trace organic material, trace shells, sulfur odor.	Vibracore	
		OL-1303-11	0.2	ML-SM	Wet, medium stiff, brown, SILT and fine Sand, trace organic material, trace shells, sulfur odor.	Vibracore	

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60304

Date: 06/14/2010

Weather: Mid 70s, winds W-NW 10-20mph, cloudy

Northing: 1118792.83 Easting: 928487.36 Driller: Anchor QEA

Water Elev: 363.5 Ft

Easting: 928487.36

Logging Company: PARSONS

Attempts: 1

Mud Line: 360.6 Ft

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 2.9 Ft

Penetration Depth: 10.00 Core Recovery Depth: 9.60

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1303-12	0.0	ML-SM	Wet, medium stiff, brown, SILT and fine Sand, trace organic material, trace shells, sulfur odor.	Vibracore	
-		OL-1303-13	0.2	ML-SM	Wet, medium stiff, brown, SILT and fine Sand, trace organic material, trace shells, sulfur odor.	Vibracore	
							Marl
		OL-1303-14	0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace organic material, trace shells, sulfur odor.	Vibracore	
		OL-1303-15	0.0	ML	Wet, medium stiff, brown, SILT, some fine sand, trace organic material, trace shells, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70144

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Northing: 1116253.69

Easting: 926801.40 Mud Line: 360.6 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: B. MCALLISTER Water Elev: 362 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 1.4 Ft

Penetration Depth: 12.00 Core Recovery Depth: 10.70

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
		OL-1228-06	0.0	ML	Wet, loose, dark gray, SILT, low plasticity, some clay, wet, loose, low plasticity, little coarse subround gravel, little petroleum-like odor.	Vibracore	Silt
		OL-1228-07	7.9	SM	Wet, loose, dark gray, fine SAND, some silt, loose, wet, little clay, soft, low plasticity, hair, strong petroleum-like odor.	Vibracore	Cond
		OL-1228-08	3.9	CL	Wet, very soft, dark gray, CLAY, low plasticity, some silt, strong petroleum-like odor.	Vibracore	Sand
		OL-1228-09	7.8	CL	Wet, very soft, dark gray, CLAY, low plasticity, some silt, strong petroleum-like odor.	Vibracore	Clay
		OL-1228-10	0.0	CL	Wet, loose, dark gray to black, CLAY, low plasticity, little silt, micacious, strong petroleum-like odor.	Vibracore	
		OL-1228-11	0.5	SM	Moist, medium dense, dark gray, fine SAND, some silt, low plasticity, trace clay, strong petroleum-like odor.	Vibracore	
		OL-1228-12	1.5	SM	Moist, medium dense, dark gray, medium to fine SAND, some silt, strong petroleum-like odor.	Vibracore	Sand
		OL-1228-13	0.0	SM	Moist, dense, light gray, fine SAND, little silt, micacious, trace shells, trace sticks and roots, strong sulfur odor, large cobble.	Vibracore	
		OL-1228-14	40.0	SM	Moist, dense, light gray, fine SAND, some silt, little clay, varved, shells throughout sample, strong sulfur odor.	Vibracore	
				OM	Moist, dense, light gray, fine SAND, some silt, little clay, varved, shells throughout sample, strong sulfur odor.		Marl
		OL-1228-15	7.6	SM ———		Vibracore	
5			. [ ]				

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70144

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Northing: 1116253.69

Easting: 926801.40

Mud Line: 360.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: B. MCALLISTER

Water Elev: 362 Ft

Attempts: 1

epth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	<u>«</u>	ID OL-1228-16	(ppm) 0.0	Code	Moist, loose to medium dense, light gray, fine SAND, some silt, little shells throughout sample, strong sulfur odor.	Method	- Cuatam
		OL-1228-17	4.7	SM	Moist, medium dense, light gray, fine SAND, some silt, trace shells throughout, strong sulfur odor.	Vibracore	
1							Marl
		OL-1228-18	5.5	SM	Moist, medium dense, light gray, fine to medium SAND, some silt, little shells throughout, strong sulfur odor.	Vibracore	
T I		OL-1228-19	6.0	SM	Moist, loose, light gray, fine SAND, some silt, low plasticity, trace shells throughout, strong sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70145

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Northing: 1116429.47

Easting: 927261.79 Mud Line: 360.6 Ft

Surface Water Depth: 1.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 12.00 Core Recovery Depth: 10.40

Water Elev: 362 Ft

Attempts: 1
Depth Units: Ft

g Sample	PID	USCS		Sample	
a ID	(ppm)	Code	Soil Description	Method	Stratum
OL-1227-11	0.0	SM	Moist, dense, light gray, fine to medium SAND, some silt, micacious, little fine to medium subround gravel, organic odor.	Vibracore	
OL-1227-12	5.4	SM	Moist, dense, gray, fine to very fine SAND, some silt, micacious, dense, petroleum-like odor.	Vibracore	
OL-1227-13	5.6	SM	Moist, dense, gray, medium to fine SAND, some silt, micacious, trace fine gravel, strong petroleum-like odor.	Vibracore	
OL-1227-14	45.0	SM	Moist, dense, gray, medium to fine SAND, some silt, micacious, trace fine gravel, strong petroleum-like odor.	Vibracore	
OL-1227-15	9.1	SM	Moist, loose, dark gray, medium to fine SAND, some silt, micacious, trace shells, strong petroleum odor.	Vibracore	Sand
OL-1227-16	5.6	SM	Moist, loose, dark gray, medium to fine SAND, some silt, micacious, strong petroleum-like odor.	Vibracore	
OL-1227-17	0.0	SM	Moist, loose, dark gray, medium to fine SAND, some silt, micacious, strong petroleum-like odor.	Vibracore	
OL-1227-18	0.0	SM	shells throughout, strong sulfur odor.	Vibracore	
OL-1227-19	0.0	SM	Moist, loose, light gray, very fine SAND, some silt, shells throughout, sulfur odor.	Vibracore	Silt
OL-1227-20	1.0	SM	Moist, loose, light gray, fine SAND, some silt, little shells throughout, sulfur odor.	Vibracore	
	OL-1227-11  OL-1227-12  OL-1227-13  OL-1227-14  OL-1227-16  OL-1227-17  OL-1227-17	OL-1227-11 0.0 OL-1227-12 5.4 OL-1227-13 5.6 OL-1227-14 45.0 OL-1227-15 9.1 OL-1227-16 5.6 OL-1227-17 0.0 OL-1227-17 0.0	OL-1227-11         0.0         SM           OL-1227-12         5.4         SM           OL-1227-13         5.6         SM           OL-1227-14         45.0         SM           OL-1227-15         9.1         SM           OL-1227-16         5.6         SM           OL-1227-17         0.0         SM   OL-1227-18  OL-1227-19  O.0 SM	OL-1227-11  OL-1227-12  OL-1227-13  OL-1227-13  OL-1227-14  OL-1227-14  OL-1227-15  OL-1227-16  OL-1227-16  OL-1227-17  OL-1227-17  OL-1227-18  OL-1227-19  OL-122	OL-1227-11  OL-1227-12  OL-1227-13  OL-1227-13  OL-1227-13  OL-1227-14  OL-1227-14  OL-1227-15  OL-1227-16  OL-1227-16  OL-1227-17  OL-1227-17  OL-1227-17  OL-1227-19  OL-122

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70145

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Northing: 1116429.47 Easting: 927261.79 Driller: Anchor QEA

Water Elev: 362 Ft

Mud Line: 360.6 Ft

Logging Company: PARSONS Geologist: B. MCALLISTER Attempts: 1
Depth Units: Ft

Surface Water Depth: 1.4 Ft

Penetration Depth: 12.00

Core Recovery Depth: 10.40

Depth	20	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1228-01	8.9	SM	Moist, loose, light gray, fine SAND, some silt, little shells throughout, sulfur odor.	Vibracore	
		OL-1228-03	0.0	SM	Moist, very soft, light gray, fine SAND, some silt, little shells throughout, sulfur odor.	Vibracore	
-							Silt
_		OL-1228-04	10.0	ML	Moist, very soft, light gray, SILT, low plasticity, little clay, little shells throughout, sulfur odor.	Vibracore	
		OL-1228-05	5.6	ML	Moist, very soft, light gray, SILT, some clay, little shells throughout sample, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70146

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Northing: 1116470.69

Easting: 927279.43 Mud Line: 360.6 Ft

Surface Water Depth: 1.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 12.00

Water Elev: 362 Ft

Attempts: 1
Depth Units: Ft

Core Recovery Depth: 10.90

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
			0.0	SM	Moist, dense, light brown to dark gray, fine SAND, some silt, micaclous, trace organic plant debris, light petroleum-like odor.		
	OL-1221-09	0.0	SM	Moist, dense, light brown to gray, fine SAND, some silt, micacious, trace organic, light petroleum-like odor.	Vibracore		
		OL-1221-10	0.0	SM	Moist, dense, brown to gray, medium to fine SAND, some silt, micacious, little shells, trace organic, light petroleum-like odor.	Vibracore	Cond
		OL-1221-11	0.0	SM	Moist, dense, brown, medium to fine SAND, some silt, micacious, dense, trace shells, organic material, light petroleum-like odor.	Vibracore	Sand
		OL-1221-12	0.0	SM	Moist, dense, brown, medium to fine SAND, some silt, micacious, little organic material, trace shells, petroleum-like odor.	Vibracore	
		OL-1221-13	0.0	SM	Moist, dense, brown, fine to medium SAND, some silt, micacious, dense, little shells, trace organic, petroleum-like odor.	Vibracore	
		OL-1221-14	0.0	SM	Moist, dense, brown to light gray, medium to fine SAND, some shells, trace silt, dense, sulfur odor, MARL.	Vibracore	
	OL-1221-15	0.0	SM	Wet, medium dense, light gray, fine SAND, some silt, micacious, sulfur odor, MARL.	Vibracore		
		OL-1221-17	0.0	SM	Moist, medium dense, light gray, fine SAND, some silt, little shells throughout, sulfur odor, MARL.	Vibracore	Marl
		OL-1221-18	0.0	SM	Moist, medium dense, light gray, fine SAND, some silt, little shells throughout, sulfur odor, MARL.	Vibracore	

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70146

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Northing: 1116470.69

Easting: 927279.43

Mud Line: 360.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: B. MCALLISTER

Surface Water Depth: 1.4 Ft Penetration Depth: 12.00

Core Recovery Depth: 10.90

Water Elev: 362 Ft

Attempts: 1 Depth Units: Ft

COV	Sample	PID	USCS		Sample	<b>.</b>
& L	ID	(ppm)	Code		Method	Stratum
	OL-1221-19	0.0	SM	Moist, loose, light gray, fine SAND, some silt, little shells, sulfur odor, MARL.	Vibracore	
	OL-1223-01	0.0	SM	Moist, loose, light gray,fine to very fine SAND, some silt, little shells, sulfur odor, MARL.	Vibracore	
						Marl
	OL-1223-02	0.0	SM	Moist, medium dense, light gray, fine SAND, some silt, little shells, sulfur odor.	Vibracore	
		_	SM	Moist, loose, light gray,medium to fine SAND, little silt, trace shells, sulfur odor, MARL.		
	Recov	OL-1221-19 OL-1223-01	OL-1221-19 0.0 OL-1223-01 0.0	OL-1223-01 0.0 SM  OL-1223-02 0.0 SM	OL-1221-19  OL-1223-01  OL-1223-02  OL-122	OL-1221-19  OL-1223-01  OL-1223-02  OL-122

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70147

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sunny

Northing: 1117023.10

Easting: 927268.90

Mud Line: 360.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H. PHILIP

Water Elev: 362.6 Ft

Attempts: 3

0	Sample	PID	USCS	The second of	Sample	
Rec	ID	32753	Code	Soil Description	Method	Stratu
	OL-1217-09	0.0	SM	Moist, loose, dark brown, fine to medium SAND, little silt, organic odor.	Vibracore	
	OL-1217-10	0.0	SM	Moist, loose, dark brown, fine to medium SAND, little silt, trace organics, organic odor.	Vibracore	
М	OL-1217-11	0.0	SM	Moist, loose, dark brown, fine to medium SAND,trace silt, organic odor.	Vibracore	
П	OL-1217-12	0.0	SM	Moist, loose, dark brown, fine to medium SAND, little silt, trace organics, slight petroleum-like odor.	Vibracore	
	OL-1217-13	0.4	SM	Moist, loose, dark brown, fine to medium SAND, little silt, trace organics, slight petroleum-like odor.	Vibracore	Sand
	OL-1217-14	0.2	SM	Moist, loose, dark grey, fine SAND, little micacious silt, petroleum-like odor.	Vibracore	
	OL-1217-15	0.0	SM	Moist, loose, dark grey, fine SAND, little micacious silt, trace varved clay, petroleum-like odor.	Vibracore	
	OL-1217-16	0.5	SM	odor, MARL.	Vibracore	
	OL-1217-17	0.6	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, sulfur odor, MARL.	Vibracore	Marl
	OL-1217-18	0.9	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, sulfur odor, MARL.	Vibracore	wan
	Recov	OL-1217-09 OL-1217-10 OL-1217-11 OL-1217-12 OL-1217-13 OL-1217-14 OL-1217-15 OL-1217-16	OL-1217-10 0.0 OL-1217-11 0.0 OL-1217-12 0.0 OL-1217-13 0.4 OL-1217-14 0.2 OL-1217-15 0.0 OL-1217-16 0.5	OL-1217-19	OL-1217-10 OL-1217-10 OL-1217-11 OL-1217-11 OL-1217-11 OL-1217-11 OL-1217-11 OL-1217-12 OL-1217-13 OL-1217-13 OL-1217-14 OL-1217-14 OL-1217-15 OL-1217-15 OL-1217-16 OL-1217-17 OL-1217-17 OL-1217-17 OL-1217-18 OL-1217-19	OL-1217-09 OL-1217-10 OL-1217-10 OL-1217-11 OL-1217-11 OL-1217-12 OL-1217-13 OL-1217-15 OL-1217-15 OL-1217-16 OL-1217-17 OL-1217-17 OL-1217-17 OL-1217-18 OL-1217-19

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70147

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sunny

Northing: 1117023.10

Driller: Anchor QEA

Water Elev: 362.6 Ft

Easting: 927268.90

Logging Company: PARSONS

Attempts: 3

Mud Line: 360.4 Ft

Geologist: H. PHILIP

Depth Units: Ft

Surface Water Depth: 2.2 Ft

Penetration Depth: 12.00 Cor

Core Recovery Depth: 8.40

Depth	Recov	Sample	PID	USCS	Call Decembring	Sample	Ctratura
Ft	A.	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1217-19	0.1	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, sulfur odor, MARL.	Vibracore	
- 7- 16					Wet, soft, grey brown, SILT, little fine sand, some shells,		
		OL-1217-20	0.1	ML	sulfur odor, MARL.	Vibracore	Marl
		OL-1217-21	1.2	ML	Wet, soft, grey brown, SILT, little fine sand, some shells, sulfur odor, MARL.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70148

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sunny

Northing: 1117015.30

Easting: 926450.90

Mud Line: 354.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H. PHILIP

Water Elev: 362.5 Ft

Attempts: 1

Depth	ò	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratun
)		OL-1211-14	0.0	SM	Wet, loose, dark grey, fine SAND, some silt, trace organics, organic odor.	Vibracore	
		OL-1211-15	0.3	SM	Wet, loose, dark grey, fine SAND, some silt, trace shells, trace organics, organic odor.	Vibracore	Sand
		OL-1211-16	1.0	ML	Wet, soft, dark grey, SILT, little fine sand, trace shells, trace organics, strong organic odor.	Vibracore	
OL-1211-17	0.0	ML	Wet, soft, dark grey, SILT, little fine sand, trace shells, trace organics, strong organic odor.	Vibracore			
10.75		OL-1211-19	0.0	ML	Wet, loose, dark grey and black, SILT, some fine sand, trace clay, strong organic odor.	Vibracore	
		OL-1211-20	0.0	ML	Wet, loose, dark grey and black, SILT, some fine sand, trace clay, strong organic odor.	Vibracore	
		OL-1212-01	0.0	ML	Wet, loose, dark grey and black, SILT, some fine sand, trace clay, strong organic odor.	Vibracore	
Ī	OL-1212-02 1.5	1.5	ML	Wet, soft, black, SILT, trace fine sand, trace organics, organic odor, slight petroleum-like odor.	Vibracore		
-		OL-1212-03	5.0	ML	Wet, soft, black, SILT, trace fine sand, trace organics, organic odor, slight petroleum-like odor.	Vibracore	Silt
		OL-1212-05	6.0	ML	Wet, soft, black, SILT, trace fine sand, trace organics, organic odor, slight petroleum-like odor.	Vibracore	

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70148

Date: 05/26/2010

Weather: Low 90s, winds NW 5-15mph, sunny

Northing: 1117015.30

Easting: 926450.90

Mud Line: 354.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H. PHILIP

Water Elev: 362.5 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	∝	ID	(ppm)	Code	Wet, soft, black, SILT, trace fine sand, trace clay, trace	Method	Ottatain
		OL-1212-06	5.0	ML	organics, organic odor, slight petroleum-like odor.	Vibracore	
		OL-1212-07	9.0	ML	Wet, soft, brown and dark grey, SILT, trace fine sand, trace clay, trace organics, organic odor, slight petroleum-like odor.	Vibracore	
-							Silt
-		OL-1212-08	7.0	ML	Wet, soft, brown and dark grey mottling, SILT, trace fine sand, trace clay, trace organics, organic odor, slight petroleum-like odor.	Vibracore	
Ť		OL-1212-09	8.5	ML	Wet, soft, brown and dark grey, SILT, trace fine sand, trace clay, trace organics, organic odor, slight petroleum-like odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70148A

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Northing: 1117011.57

Easting: 926446.15 Mud Line: 354.4 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: B. MCALLISTER

Water Elev: 362 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 7.6 Ft

Penetration Depth: 12.00 Core Recovery Depth: 10.90

Depth	Sample ID	PID	USCS		Sample	
Ft i	S ID	(ppm)	Code	Soil Description	Method	Stratum
0	OL-1223-04	0.0	SM	Moist, dense, dark gray, fine to medium SAND, some silt, little organic material, roots, plant material, strong petroleum-like odor.	Vibracore	
	OL-1223-05	0.0	SM	Moist, dense, dark gray, fine to medium SAND, some silt, little organic material, roots, plant material, strong petroleum-like odor.	Vibracore	
	OL-1223-06	0.0	SM	Moist, loose, dark gray, fine SAND, some silt, little delterious organic, trace shells, petroleum-like odor.	Vibracore	
	OL-1223-07	0.0	SM	Moist, loose, dark gray to black, fine to medium SAND, trace silt, petroleum-like odor.	Vibracore	Sand
	OL-1223-08	0.0	SM	Moist, very loose, dark gray to black, fine SAND, some organic material, strong petroleum-like odor.	Vibracore	
	OL-1223-09	0.0	SM	Moist, very loose, dark gray to black, fine SAND, some organic material, strong petroleum-like odor.	Vibracore	
	OL-1223-10	0.0	SM	Moist, very loose, dark gray, fine SAND, little silt, micacious, very loose, petroleum-like odor.	Vibracore	
				11.00		
	OL-1223-11	1.3	OL	Moist, very soft, dark gray to black, ORGANIC MUD, strong petroleum-like odor.	Vibracore	
				Moist, very loose, dark gray to black, ORGANIC MUD, very strong petroleum-like odor.		Organic Mu
	OL-1223-13	7.8	OL		Vibracore	
	OL-1223-14	11.6	ОН	Moist, very loose to soft, dark gray to black, CLAY, very soft, high plasticity, some organic material, strong petroleum-like odor.	Vibracore	
	OL-1223-14	11.0	JII		VIDIACUIE	Organic Clay
						Organic Oldy
1 1				1		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70148A

Date: 05/27/2010

Weather: High 80s, winds W 5-15mph, cloudy w/T-storms

Core Recovery Depth: 10.90

Northing: 1117011.57

Easting: 926446.15

Mud Line: 354.4 Ft

Surface Water Depth: 7.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: B. MCALLISTER

Penetration Depth: 12.00

Water Elev: 362 Ft

Attempts: 1

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1223-15	53.8	ОН	Moist, very soft, dark gray to black, CLAY, soft, high plasticity, some organic material, strong petroleum-like odor.	Vibracore	
		OL-1223-16	22.0	ОН	Moist, very soft, dark gray to black, CLAY, high plasticity, high organic content, very strong petroleum-like odor.	Vibracore	
							Organic Clay
		OL-1223-17	23.0	ОН	Moist, very soft, dark gray to black, CLAY, high plasticity, high organic content, very strong petroleum-like odor.	Vibracore	
	OL-1223-18	OL-1223-18	29.0	ОН	Moist, very soft, dark gray to black, CLAY, high plasticity, high organic content, very strong petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70149

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Core Recovery Depth: 11.10

Northing: 1117314.33

Easting: 926439.69

Mud Line: 349.8 Ft

Surface Water Depth: 12.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 12.00

Water Elev: 362.6 Ft

Attempts: 1

Sample	PID	USCS		Sample	
ID	(ppm)	Code	Soil Description	Method	Stratum
OL-1234-16	0.0	ML	Wet, very soft, loose, dark gray, SILT, little organic material, little fine sand, organic odor.	Vibracore	
OL-1234-17	0.0	ML	Wet, very soft to loose, dark gray, SILT, some fine sand, trace organic material, light petroleum-like odor.	Vibracore	
OL-1234-18	0.0	ML	Wet, very soft to loose, dark gray, SILT, some fine sand, trace organic material, light petroleum-like odor.	Vibracore	
OL-1234-19	0.0	ML	Wet, loose, moderately dense, dark gray, SILT, high plasticity, some fine sand, strong petroleum-like odor.	Vibracore	
OL-1234-20	0.0	ML	Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.	Vibracore	
OL-1235-01	0.0	ML	Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.	Vibracore	
OL-1235-02	0.0	ML	Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.	Vibracore	
OL-1235-03	0.0	ML	Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.	Vibracore	Silt
OL-1235-05	0.0	ML	Moist, loose, soft, dark gray, SILT, some fine sand, little organic material, strong petroleum-like odor.	Vibracore	
OL-1235-06	0.0	ML-CL	Moist, very soft, dark gray, SILT and Clay, trace organic material throughout, strong petroleum-like odor.	Vibracore	Silt and Cla
					Siit and Cla
	ID OL-1234-16 OL-1234-17 OL-1234-18 OL-1234-19 OL-1234-20 OL-1235-01 OL-1235-02 OL-1235-02	ID (ppm) OL-1234-16 0.0 OL-1234-17 0.0 OL-1234-18 0.0 OL-1234-19 0.0 OL-1234-20 0.0 OL-1235-01 0.0 OL-1235-02 0.0 OL-1235-02 0.0 OL-1235-03 0.0	ID (ppm) Code OL-1234-16 0.0 ML OL-1234-17 0.0 ML OL-1234-18 0.0 ML OL-1234-19 0.0 ML OL-1234-20 0.0 ML OL-1235-01 0.0 ML OL-1235-02 0.0 ML OL-1235-02 0.0 ML	ID	ID (ppm) Code Soil Description Method  OL-1234-16 0.0 ML Wet, very soft, loose, dark gray, SILT, little organic material, little fine sand, organic odor.  OL-1234-17 0.0 ML Wet, very soft to loose, dark gray, SILT, some fine sand, trace organic material, light petroleum-like odor.  OL-1234-18 0.0 ML Wet, very soft to loose, dark gray, SILT, some fine sand, trace organic material, light petroleum-like odor.  OL-1234-19 0.0 ML Wet, loose, moderately dense, dark gray, SILT, high plasticity, some fine sand, strong petroleum-like odor.  OL-1234-20 0.0 ML Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.  OL-1235-01 0.0 ML Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.  OL-1235-02 0.0 ML Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.  Vibracore  Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.  Vibracore  Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.  Vibracore  Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.  Vibracore  Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.  Vibracore  Wet, very soft, loose, dark gray, SILT, some fine sand, trace organic material, very strong petroleum-like odor.  Vibracore

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### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70149

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1117314.33 Easting: 926439.69 Driller: Anchor QEA

Water Elev: 362.6 Ft

Mud Line: 349.8 Ft

Logging Company: PARSONS Geologist: A. MENGES Attempts: 1
Depth Units: Ft

Surface Water Depth: 12.8 Ft

Penetration Depth: 12.00

Core Recovery Depth: 11.10

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1235-07	0.0	ML-CL	Moist, very soft, dark gray, SILT and Clay, trace organic material throughout, strong petroleum-like odor.	Vibracore	Silt and Clay
		OL-1235-08	0.0	ОН	Moist, medium stiff to stiff, dark brown to dark gray, CLAY, high plasticity, some silt, strong organic odor.	Vibracore	Clay
		OL-1235-09	0.0	ML	Moist, soft, light gray, SILT, low plasticity, some shells throughout, strong sulfur odor, MARL.	Vibracore	
							Marl
		OL-1235-10	0.0	ML	Moist, stiff, light gray, SILT, some fine sand, trace clay, shells throughout, sulfur odor, MARL.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70150

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20 mph, showers

Northing: 1118085.80

Easting: 926318.03 Mud Line: 337.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 12.00 Core Recovery Depth: 9.50 Water Elev: 362.6 Ft

Attempts: 3 Depth Units: Ft

Surface Water Depth: 24.7 Ft Recov Depth Sample PID USCS Sample Soil Description Stratum Ft ID Code Method (ppm) Wet, very soft, black, SILT, slight petroleum-like odor. ML OL-1230-01 0.0 Vibracore Wet, very soft, black, SILT, slight petroleum-like odor. 0.0 ML OL-1230-02 Vibracore Wet, very soft, black, SILT, slight petroleum-like odor. 0.2 ML OL-1230-03 Vibracore Wet, very soft, black, SILT, trace organic material, slight ML OL-1230-04 0.0 Vibracore Wet, very soft, black, SILT, slight petroleum-like odor. 0.1 ML OL-1230-05 Vibracore Wet, very soft, black, SILT, slight organic odor. 0.0 ML OL-1230-06 Vibracore Wet, very soft, black, SILT, slight petroleum-like odor. ML OL-1230-07 0.0 Vibracore Wet, very soft, black, SILT, slight petroleum-like odor. OL-1230-08 1.0 ML Vibracore Silt Wet, very soft, black, SILT, trace organic material, slight 0.0 ML OL-1230-10 Vibracore Wet, very soft, black, SILT, trace organic material, strong petroleum-like odor. 0.0 OL-1230-11 ML Vibracore

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70150

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20 mph, showers

Core Recovery Depth: 9.50

Northing: 1118085.80

Easting: 926318.03 Mud Line: 337.9 Ft

Surface Water Depth: 24.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: B. MCALLISTER

Penetration Depth: 12.00

Water Elev: 362.6 Ft

Attempts: 3

Depth	90	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1230-12	5.2	ML	Wet, soft, black, SILT, little organic material, slight petroleum-like odor.	Vibracore	
		OL-1230-13	15.5	ML	Wet, very soft, dark gray to black, SILT, trace organic material, strong petroleum-like odor.	Vibracore	
							Silt
_		OL-1230-14	6.1	ML	Wet, very soft, dark gray to black, SILT, trace organic material, strong petroleum-like odor.	Vibracore	
		OL-1230-15	6.3	ML	Wet, soft, black, SILT, trace fine sand, little organic material, strong petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70151

Date: 05/27/2010

Weather: High 80s, winds W 5-15 mph, cloudy

Northing: 1116209.23 Easting: 927034.50

**Driller: Atlantic Testing** 

Water Elev: 362 Ft

Mud Line: 361.3 Ft

Logging Company: PARSONS

Attempts: 1

Geologist: A. MENGES

Depth Units: Ft

Surface Water Depth: 0.7 Ft

Penetration Depth: 10.00 Core Recovery Depth: 8.20

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1218-01	0.0	SM	Moist, loose, black, fine SAND, little silt, micacious, trace gravel, petroleum-like odor.	Vibracore	
	П	OL-1218-02	0.0	SM	Moist, loose, black, fine SAND, little silt, micacious, trace gravel, coarse angular, petroleum-like odor.	Vibracore	
		OL-1218-03	0.0	SM	Moist, loose, black, fine SAND, little silt, micacious, trace clay.	Vibracore	04110
		OL-1218-04	0.0	SM	Moist, loose, black to gray, fine to very fine SAND, some silt, little shells, trace clay, petroleum-like odor.	Vibracore	SAND
		OL-1218-05	0.0	SM	Wet, loose, black to gray fine SAND, fine, some silt, micacious, little clay, petroleum-like odor.	Vibracore	
		OL-1218-06	0.0	SM	Moist, loose, light gray to dark gray, medium to fine SAND, little shells, some silt, trace gravel, organic odor.	Vibracore	
		OL-1218-07	0.0	SM	Wet, loose, light gray, medium to fine SAND, some shells, little silt, trace organic wood, delterious organics, petroleum-like odor.	Vibracore	
		OL-1218-08	0.0	SM	Moist, medium dense, light gray, medium to fine SAND, little silt, trace shells, sulfur odor, MARL.	Vibracore	
		OL-1218-09	0.0	SM	Moist, loose, light gray, fine SAND, little shells, trace silt, loose, sulfur odor, MARL.	Vibracore	MARL
		OL-1218-10	0.0	SM	Moist to wet, loose, light gray, fine SAND, some shells, little silt, sulfur odor, MARL.	Vibracore	

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### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70151

Date: 05/27/2010

Weather: High 80s, winds W 5-15 mph, cloudy

Northing: 1116209.23 Easting: 927034.50 **Driller: Atlantic Testing** 

Water Elev: 362 Ft

Easting: 927034.50 Mud Line: 361.3 Ft Logging Company: PARSONS Geologist: A. MENGES Attempts: 1
Depth Units: Ft

Surface Water Depth: 0.7 Ft

Penetration Depth: 10.00

Core Recovery Depth: 8.20

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1218-11	0.0	SM	Moist to wet, loose, light gray, fine SAND, some shells, little silt, sulfur odor, MARL.	Vibracore	
		OL-1218-12	0.0	SM	Moist to wet, loose, light gray, fine SAND, some shells, little silt, sulfur odor, MARL.	Vibracore	MARL
8.0		OL-1218-14	0.0	SM	Wet, loose, light gray, fine SAND, some silt, little shells, strong sulfur odor, MARL.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70152

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Northing: 1116355.94

- 11

**Driller: Atlantic Testing** 

Water Elev: 362 Ft

Easting: 927266.71 Mud Line: 361 Ft Logging Company: PARSONS

Attempts: 4

Geologist: B. MCALLISTER

Depth Units: Ft

Surface Water Depth: 1 Ft

Penetration Depth: 11.00

11.00 Core Recovery Depth: 7.20

00	Sample	PID	USCS		Sample	
Re	ID	(ppm)	Code	A Local value of the Control of the	Method	Stratum
	OL-1225-11	1.0	sw	Moist, loose, dark gray medium to fine SAND, some fine to coarse, subround gravel, trace shells, strong petroleum-like odor.	Vibracore	
	OL-1225-12	3.0	sw	Moist, medium dense, dark gray, medium to fine SAND, some medium to fine, subround gravel, trace shells, strong petroleum-like odor.	Vibracore	
	OL-1225-13	5.0	sw	Moist, medium dense, dark gray, fine to medium SAND, some medium to fine, subround gravel, trace shells, strong petroleum-like odor.	Vibracore	SAND
	OL-1225-14	5.0	sw	Moist, loose, dark gray medium to fine SAND, little fine subround gravel, loose, strong petroleum-like odor.	Vibracore	
	OL-1225-15	0.0	sw	Moist, loose, olive gray, medium to fine SAND, little medium to fine subround gravel, loose, petroleum-like odor.	Vibracore	
	OL-1225-16	0.0	sw	Moist, loose, olive gray, medium to fine SAND, little silt, trace oncolytes throughout sample, sulfur odor.	Vibracore	
	OL-1225-17	0.5	sw	Moist, medium dense, olive gray, medium to fine SAND, little silt, micacious, dense, oncolytes throughout sample, trace fine, subangular gravel, sulfur odor.	Vibracore	
	OL-1225-18	1.0	SM	Moist, wet, loose, light gray, fine to very fine SAND, some silt, shells throughout, strong sulfur odor.	Vibracore	
	OL-1225-19	1.0	SM	Moist, wet, loose, light gray, fine to very fine SAND, some silt, shells throughout, strong sulfur odor.	Vibracore	MARL
	OL-1225-20	8.3	SM	Wet, loose, light gray, fine to very fine SAND, some silt, oncolytes throughout sample, strong sulfur odor.	Vibracore	
	Recov	OL-1225-11  OL-1225-12  OL-1225-13  OL-1225-14  OL-1225-15  OL-1225-16  OL-1225-17  OL-1225-17	OL-1225-11 1.0 OL-1225-12 3.0 OL-1225-13 5.0 OL-1225-14 5.0 OL-1225-15 0.0 OL-1225-16 0.0 OL-1225-17 0.5  OL-1225-17 1.0	OL-1225-11 1.0 SW OL-1225-12 3.0 SW OL-1225-13 5.0 SW OL-1225-14 5.0 SW OL-1225-15 0.0 SW OL-1225-16 0.0 SW OL-1225-17 0.5 SW OL-1225-17 1.0 SM	OL-1225-11  OL-1225-11  OL-1225-12  OL-1225-13  OL-1225-13  OL-1225-13  OL-1225-14  OL-1225-14  OL-1225-15  OL-1225-16  OL-1225-16  OL-1225-17  OL-1225-17  OL-1225-18  OL-1225-19  OL-122	OL-1225-11   1.0   SW   Moist, loose, dark gray medium to fine SAND, some fine to coarse, subround gravel, trace shells, strong petroleum-like odor.   Vibracore

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70152

Date: 05/28/2010

Weather: High 70s, winds E 5-10mph, mix sun & clouds

Northing: 1116355.94 Easting: 927266.71 **Driller: Atlantic Testing** 

Water Elev: 362 Ft

Easting: 927266.71 Mud Line: 361 Ft Logging Company: PARSONS Geologist: B. MCALLISTER Attempts: 4
Depth Units: Ft

Surface Water Depth: 1 Ft

Penetration Depth: 11.00

Core Recovery Depth: 7.20

Depth	Recov	Sample	PID	USCS	Call Deposite to a	Sample	Chraham
Ft	A.	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1226-01	12.4	SM	Wet, loose, light gray, fine to very fine SAND, some silt, oncolytes throughout sample, strong sulfur odor.	Vibracore	
							MARL
		OL-1226-02	12.0	SM	Wet, loose, light gray, fine to very fine SAND, some silt, oncolytes throughout sample, strong sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70153

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, sun & clouds

Northing: 1116529.44

Easting: 927483.95 Mud Line: 361.7 Ft

Surface Water Depth: 0.8 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 11.50 Core Recovery Depth: 8.90

Water Elev: 362.5 Ft

Attempts: 3
Depth Units: Ft

Deptil Onits. I

epth	Recov	Sample	PID	USCS		Sample	
Ft	Rec	ID	(ppm)	Code	Soil Description	Method	Stratum
911		OL-1253-09	0.0	SM	Wet, loose, black, fine to coarse SAND, trace fine to coarse gravel, some wood fragments, sewage-like odor.	Vibracore	
	П	OL-1253-10	0.0	SM	Wet, loose, black, fine to coarse SAND, trace fine to coarse gravel, sewage-like odor.	Vibracore	
	П	OL-1253-11	0.0	SM	Wet, loose, black, fine to coarse SAND, trace fine to coarse gravel, sewage-like odor.	Vibracore	
		OL-1253-12	0.0	SM	Wet, loose, black, fine to coarse SAND, trace fine to coarse gravel, trace wood fragments, sewage-like odor.	Vibracore	
75		OL-1253-13	0.0	SM	Wet, loose, black, fine to coarse SAND, trace fine gravel, trace organic material, sewage odor.	Vibracore	SAND
		OL-1253-14		SM	Wet, loose, black, fine to coarse SAND, trace fine gravel, sewage odor.	Vibracore	
		OL-1253-15	0.0	SM	Wet, loose, black, fine to coarse SAND, trace fine gravel, sewage odor.	Vibracore	
		OL-1253-16	0.0	SM	Wet, loose, light to dark brown, fine to coarse SAND, little silt, trace shells, sulfur odor.	Vibracore	
		OL-1253-18	0.0	SM	Wet, loose, light brown, medium to fine SAND, some silt,trace fine gravel, sulfur odor.	Vibracore	MARL
		OL-1253-19	0.0	SM	Wet, medium dense, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70153

Date: 06/04/2010

Weather: Low 80s, winds NW 0-10mph, sun & clouds

Northing: 1116529.44

Easting: 927483.95 Mud Line: 361.7 Ft

Surface Water Depth: 0.8 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 11.50

Core Recovery Depth: 8.90

Attempts: 3
Depth Units: Ft

Water Elev: 362.5 Ft

Recov Depth Sample PID USCS Sample Soil Description Stratum Ft ID Code Method (ppm) Wet, medium dense, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor. OL-1253-20 0.0 SM Vibracore Wet, medium dense, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor. 1.8 SM OL-1254-01 Vibracore MARL Wet, medium dense, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor. OL-1254-02 2.7 SM Vibracore 8.0

BORING LOG Page 1 of 2



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70154

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1116653.34 Easting: 927625.02 Mud Line: 361.8 Ft Driller: Atlantic Testing
Logging Company: PARSONS
Geologist: S. WEISHAUPT

Water Elev: 362.8 Ft Attempts: 2

Depth Units: Ft

Surface Water Depth: 1 Ft

Penetration Depth: 11.00 Core Recovery Depth: 9.50

Recov PID USCS Sample Depth Sample Soil Description Stratum ID Method Ft (ppm) Code Moist, very loose, black, fine to coarse GRAVEL, trace fine 0 OL-1238-01 GP to coarse sand, trace cobbles, trace wood fragments. Vibracore Moist, very loose, black, fine to coarse GRAVEL, trace fine GP OL-1238-02 6.3 to coarse sand, trace cobbles. Vibracore Moist, very loose, black, fine to coarse GRAVEL, trace fine 7.9 GP OL-1238-03 to coarse sand, trace cobbles. Petroleum-like odor. Vibracore Gravel Moist, very loose, black, fine to coarse GRAVEL, trace fine OL-1238-04 GP to coarse sand, trace cobbles. Petroleum-like odor. Vibracore Moist, very loose, black, fine to coarse GRAVEL, trace fine GP OL-1238-05 7.8 to coarse sand, trace cobbles. Petroleum-like odor. Vibracore Moist, loose, black, fine to coarse SAND, some fine to coarse 15.9 SP OL-1238-06 gravel, little silt, trace wood fragments, petroleum like odor. Vibracore Moist, loose, black, fine to coarse SAND, some fine to coarse OL-1238-07 10.6 SP gravel, little silt, trace wood fragments, petroleum like odor. SAND Vibracore Wet, very loose, black, fine to coarse SAND and Peat, little medium to coarse gravel, strong chemical like odor. OL-1238-08 11.2 SM-PT Vibracore Wet, very loose, black, fine to coarse SAND and Peat, little medium to coarse gravel, trace shells sulfur like odor. 1.2 SM-PT OL-1238-10 Vibracore Bedrock Wet, loose, light gray to light brown, fine SAND, some organic material, trace shells, sulfur odor. OL-1238-11 11.0 SM Vibracore

Page 2 of 2 **BORING LOG** Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70154

Date: 06/01/2010

Weather: Mid 70s, winds W-SW 10-20mph, showers

Northing: 1116653.34 Easting: 927625.02 Mud Line: 361.8 Ft

**Driller: Atlantic Testing** Logging Company: PARSONS

Geologist: S. WEISHAUPT

Water Elev: 362.8 Ft

Attempts: 2 Depth Units: Ft

Surrace	Water	Depth: 1 Ft	Pe	netration	Depth: 11.00 Core Recovery Depth: 9.50		
Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1238-12	16.1	SM	Wet, very loose, light brown, medium to fine SAND, some silt, trace shells, sulfur odor, marl.	Vibracore	
-		OL-1238-13	6.5	SM	Wet, very loose, light brown, medium to fine SAND, some silt, trace shells, sulfur odor, marl.	Vibracore	
							Marl
		OL-1238-14	9.3	SM	Wet, very loose, light brown, medium to fine SAND, some silt, trace shells, sulfur odor, marl.	Vibracore	
		OL-1238-15	31.0	SM	Wet, very loose, light brown, medium to fine SAND, some silt, trace shells, sulfur odor, marl.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 11.70

Boring No: OL-VC-70155

Date: 06/08/2010

Weather: Low 70s, winds W-NW 10-20mph, mostly sunny

Northing: 1116569.34

Easting: 927220.28

Mud Line: 360.6 Ft

Surface Water Depth: 2.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: M. VETTER

Penetration Depth: 12.00

Water Elev: 363.2 Ft

Attempts: 1

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1270-01	0.3	SM	Moist, medium dense, black, fine to medium SAND, trace organic material, slight petroleum like odor.	Vibracore	
		OL-1270-02	0.3	SM	Moist, medium dense, black, fine to medium SAND, trace organic material, slight petroleum like odor.	Vibracore	
		OL-1270-03	0.6	SM	Moist, medium dense, black, fine to medium SAND, trace organic material, slight petroleum like odor.	Vibracore	
		OL-1270-04	0.5	SM	Moist, medium dense, light brown to black, fine to medium SAND, little silt, trace organic material, slight petroleum like odor.	Vibracore	
		OL-1270-05	0.4	SM	Wet, loose, light brown to dark gray, fine to coarse SAND, some silt, trace shells, petroleum like odor.	Vibracore	Sand
		OL-1270-06	1.1	SM	Wet, loose, light brown to dark gray, fine to coarse SAND, some silt, trace shells, petroleum like odor, slight sulfur odor.	Vibracore	
		OL-1270-07	0.6	SM	Wet, loose, light brown to dark gray, fine to coarse SAND, some silt, trace shells, sulfur odor, slight petroleum like odor.	Vibracore	
		OL-1270-08	0.0	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	
-		OL-1270-10	0.6	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	
_					Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.		Marl
		OL-1270-11	0.0	SM		Vibracore	

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### Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70155

Date: 06/08/2010

Weather: Low 70s, winds W-NW 10-20mph, mostly sunny

Northing: 1116569.34

Driller: Anchor QEA

Water Elev: 363.2 Ft

Easting: 927220.28

Logging Company: PARSONS

Attempts: 1

Mud Line: 360.6 Ft

Geologist: M. VETTER

Depth Units: Ft

Surface Water Depth: 2.6 Ft

Penetration Depth: 12.00 Core Recov

Core Recovery Depth: 11.70

Depth	Recov	Sample	PID	USCS	The second second	Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
5		OL-1270-12	0.3	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	
		OL-1270-13	0.6	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	
-							
		OL-1270-14	0.2	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	Marl
		OL-1270-15	0.3	SM	Wet, loose, light brown, fine to coarse SAND, some silt, trace shells, sulfur odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80157

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Core Recovery Depth: 2.00

Northing: 1130038.59

Easting: 914170.46

Mud Line: 304.5 Ft

Surface Water Depth: 58 Ft

Driller: Anchor - QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1213-05	0.0	ML	Wet, very soft, dark brown, SILT, slight organic odor.	PUSH CORE	
		OL-1213-06	0.0	ML	Wet, very soft, black, SILT, trace organic material, organic odor.	PUSH CORE	Silt
-							
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80158

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Northing: 1130137.92

Easting: 914965.31 Mud Line: 304.5 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Surface Water Depth: 58 Ft Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 2.00

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	쬬	ID	(ppm)	Code	F	Method	Stratum
0	$\mathbb{H}$	OL-1213-07	0.0	ML	Wet, very soft, black, SILT, organic odor.	PUSH CORE	
		OL-1213-08	0.0	ML	Wet, very soft, black, SILT, trace organic material, strong organic odor.	PUSH CORE	Silt
)44 14 1							
2.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80159

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Northing: 1129236.22

Easting: 914718.07 Mud Line: 305.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.53 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 2.00

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1213-03	0.0	ML	Wet, very soft, black, SILT, organic odor.	PUSH CORE	
		OL-1213-04	0.0	ML	Wet, very soft, black, SILT, organic odor.	PUSH CORE	Silt
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80160

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Core Recovery Depth: 2.00

Northing: 1127737.48

Easting: 914453.14

Mud Line: 330.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Surface Water Depth: 32 Ft Penetration Depth: 2.00 Water Elev: 362.53 Ft

Attempts: 1

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1210-13	0.0	ML	Wet, very soft, dark brown, SILT, slight organic odor.	PUSH CORE	
		OL-1210-14	0.0	ML	Wet, very soft, light to dark brown, SILT, organic odor.	PUSH CORE	Silt
2.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80161

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Core Recovery Depth: 2.00

Northing: 1127626.87

Easting: 914743.93 Mud Line: 327.5 Ft

Surface Water Depth: 35 Ft

1

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0	A	OL-1210-11	0.0	ML	Wet, very soft, light brown, SILT	PUSH CORE	
		OL-1210-12	0.0	ML	Wet, very soft, medium brown, SILT.	PUSH CORE	Silt

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80162

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Northing: 1127234.91

Easting: 914915.80

Mud Line: 331.5 Ft

Surface Water Depth: 31 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1
Depth Units: Ft

Core Recovery Depth: 2.00

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1206-19		ML	Wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1206-20		ML	Wet, very soft, dark brown, SILT.	PUSH CORE	Silt
ï							
2.0 ⊥ l							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80163

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Core Recovery Depth: 2.00

Northing: 1127283.65

Easting: 915319.91 Mud Line: 323.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Surface Water Depth: 39 Ft Penetration Depth: 2.00

Attempts: 1 Depth Units: Ft

Water Elev: 362.53 Ft

Depth	Recov	Sample	PID	USCS	Ocil Description	Sample	Otrostoro
Ft	A A	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1210-09	0.0	ML	0-1 in: wet, very soft, light brown, SILT, trace organic material; remainder of interval: wet, very soft, brown, SILT.	PUSH CORE	
		OL-1210-10	0.0	ML	Wet, very soft, black, SILT.	PUSH CORE	Silt

2.0

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80164

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Northing: 1127194.20

Easting: 915962.10 Mud Line: 329.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.53 Ft

Attempts: 1

Recov	Sample ID OL-1213-09	PID (ppm)	USCS Code ML	Soil Description  Wet, very soft, medium brown, SILT, slight organic odor.	Sample Method	Stratum
				Wet, very soft, medium brown, SILT, slight organic odor.		
		1 1		1 2 2 2	PUSH CORE	
	OL-1213-10	0.0	ML	Wet, very soft, dark brown, SILT, slight organic odor.	PUSH CORE	Silt

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80165

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Water Elev: 362.53 Ft

Attempts: 1 Depth Units: Ft

Northing: 1125135.38

Easting: 918684.88

Mud Line: 329.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

	Water	Depth: 33 Ft	111111111111111111111111111111111111111	netration	Depth: 2.00 Core Recovery Depth: 2.00	Dopar Crinco	
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1206-17		ML	0-0.75 in: wet, very soft, brown, SILT; remainder of interval: wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1206-18		ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
2.0 ┸ ┖					•	1	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80166

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Core Recovery Depth: 2.00

Northing: 1125177.14

Easting: 919153.76

Mud Line: 310.5 Ft Surface Water Depth: 52 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1

COV	Sample	PID	USCS		Sample	
Re	ID	(ppm)	Code	At the section and a second	Method	Stratum
	OL-1210-01		ML		PUSH CORE	
	OL-1210-02		ML	Wet, very soft, black, SILT, trace organic material, slight organic odor.	PUSH CORE	Silt
	Recov	OL-1210-01	OL-1210-01	OL-1210-01 ML	OL-1210-01  ML  Wet, very soft, black, SILT, slight organic odor.  Wet, very soft, black, SILT, trace organic material, slight organic odor.	OL-1210-01  ML  Wet, very soft, black, SILT, slight organic odor.  PUSH CORE  Wet, very soft, black, SILT, trace organic material, slight organic odor.

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80167

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Northing: 1124830.72

Easting: 918868.02 Mud Line: 329.5 Ft

Surface Water Depth: 33 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 2.00

Depth S	Sample	PID	PID USCS		Sample		
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1210-03		ML	0-1 in: wet, very soft, light brown, SILT; remainder of interval: wet, very soft, brown, SILT.	PUSH CORE	
		OL-1210-04		ML	wet, very soft, dark brown, SILT, trace organic material, slight organic odor.	PUSH CORE	Silt
<sub>2.0</sub>							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80168

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Core Recovery Depth: 2.00

Northing: 1124624.00

Easting: 919063.21 Mud Line: 327.5 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Surface Water Depth: 35 Ft Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1210-05	0.0	ML	0-1 in: wet, very soft, light brown, SILT; remainder of interval: wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1210-06	0.0	ML	Wet, very soft, light to dark brown, SILT, organic odor.	PUSH CORE	Silt
ī							
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80169

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Water Elev: 362.53 Ft

Attempts: 1

Depth Units: Ft

Northing: 1123460.85

Easting: 920322.48 Mud Line: 310.5 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Surface Water Depth: 52 Ft Penetration Depth: 2.00

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1210-07	0.0	ML	Wet, very soft, dark brown to black, SILT, organic odor.	PUSH CORE	
		OL-1210-08	0.0	ML	Wet, very soft, dark brown to black, SILT, organic odor.	PUSH CORE	Silt

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80170

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Water Elev: 362.34 Ft

Attempts: 1

Depth Units: Ft

Northing: 1120566.33

Easting: 921594.48

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES
Penetration Depth: 2.00

Surface Water Depth: NA

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1204-07	0.2	ML	0 to 1 inch is wet, very soft, light brown, SILT, fluff. Rest of interval is wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1204-08	0.2	ML	Wet, very soft, black, SILT, trace organics.	PUSH CORE	Silt
ï							
2.0 \  \							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80171

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Northing: 1120213.55

Easting: 922384.13

Mud Line: NA Surface Water Depth: NA Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.34 Ft

Attempts: 1

Depth Units:

Water	Depth: NA	Per	netration			
Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
	OL-1204-09	0.2	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	
	OL-1204-10	0.2	ML	Wet, black, very soft, SILT, slight organic odor.	PUSH CORE	Silt
		OL-1204-09	Sample PID (ppm)  OL-1204-09 0.2	Sample PID USCS ID (ppm) Code OL-1204-09 0.2 ML	Sample ID USCS (ppm) Code Soil Description  OL-1204-09 0.2 ML Wet, very soft, black, SILT, slight organic odor.  Wet, black, very soft, SILT, slight organic odor.	Sample ID (ppm) Code Soil Description Method  OL-1204-09 0.2 ML Wet, very soft, black, SILT, slight organic odor.  Wet, black, very soft, SILT, slight organic odor.  Wet, black, very soft, SILT, slight organic odor.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80172

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Water Elev: 362.34 Ft

Attempts: 1

Depth Units: Ft

Northing: 1120962.72

Easting: 925564.29 Mud Line: 308.3 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES
Penetration Depth: 1.00

Surface Water Depth: 54 Ft

Depth	9	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1206-07	0.1	ML	0-0.5 in: wet, very soft, brown, SILT; remainder of interval: wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1206-08	0.0	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80173

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Core Recovery Depth: 2.00

Northing: 1120942.20

Easting: 927102.97

7

Mud Line: 317.5 Ft Surface Water Depth: 45 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	α_	ID	(ppm)	Code	Wet, very soft, dark brown, SILT	Method	Ollataili
0		OL-1206-11	0.0	ML	vvet, very sort, dark brown, SiLI	PUSH CORE	
		OL-1206-12	0.1	ML	Wet, very soft, black, SILT, organic odor, trace organic material	PUSH CORE	Silt
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80174

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Northing: 1120482.54

Easting: 926590.97 Mud Line: 319.5 Ft

Surface Water Depth: 43 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1 Depth Units: Ft

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1210-19	0.0	ML	Wet, very soft, medium brown, SILT, slight organic odor.	PUSH CORE	
		OL-1210-20	0.0	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
2.0							
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80175

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Northing: 1119997.27

Easting: 921716.26

Surface Water Depth: NA

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.34 Ft

Attempts: 1 Depth Units: Ft

Penetration Depth: 2.00 Core Recovery Depth: 2.00

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1204-05	0.0	ML	0 to 0.25 inches is wet, very soft, light brown SILT. Rest of interval is wet, very soft, dark brown black, SILT.	PUSH CORE	
		OL-1204-06	0.0	ML	Wet, very soft, black, SILT.	PUSH CORE	Silt
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80176

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Northing: 1119756.31

Easting: 922346.39

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.34 Ft

Attempts: 1

-	Water		1		1	<del></del>	
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1204-11	0.2	ML	0 to 0.5 inches is wet, very soft, light brown, SILT fluff. Rest of interval is wet, very soft, black, SILT.	PUSH CORE	
		OL-1204-12	0.2	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80177

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Water Elev: 362.34 Ft

Attempts: 1

Depth Units: Ft

Northing: 1120167.65

Easting: 924703.25

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES
Penetration Depth: 2.00

Surface Water Depth: NA

Depth	Recov	Sample	PID	USCS	0.110	Sample	01.1
Ft	8	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1205-03	0.3	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	
		OL-1205-04	0.3	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80178

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Northing: 1120029.61

Easting: 925595.59

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.34 Ft

Attempts: 1

Surface	Water	Depth: NA	Pe	netration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0	Ī	OL-1206-05	0.1	ML	0-1 in: wet, very soft, brown, SILT; remainder of interval: wet, very soft, dark brown, SILT, slight organic odor.	PUSH CORE	
		OL-1206-06	0.1	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80179

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Core Recovery Depth: 2.00

Northing: 1119914.52

Easting: 927094.92

Mud Line: 330.5 Ft Surface Water Depth: 32 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.53 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft 0	Δ.	ID OL-1206-13	(ppm) 0.0	Code	0-1 in: wet, very soft, brown, SILT; remainder of interval: wet, very soft, dark brown, SILT, trace organic material, organic odor.	Method PUSH CORE	Circum
		OL-1208-14		ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80180

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Core Recovery Depth: 2.00

Northing: 1119697.70

Easting: 924780.16

Mud Line: NA Surface Water Depth: NA Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.34 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	ď	ID	(ppm)	Code	1 Control of the Cont	Method	Stratum
0		OL-1205-05	0.3	ML	0 to 0.5 inches is wet, very soft, light brown, SILT. Rest of interval is wet, very soft, dark brown to black, SILT.	PUSH CORE	
		OL-1205-06	0.3	ML	Wet, very soft, black, SILT, trace organics, slight organic odor.	PUSH CORE	Silt
2.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80181

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Northing: 1119682.92

Easting: 925583.49

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.34 Ft

Attempts: 1

Street Street Street	> 1	1 2 m (2)	1	11455.6		1 1	
Depth	Recov	Sample	PID	USCS	Sail Description	Sample	Ctratum
Ft	8	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1206-09	0.0	ML	0-1 in: wet, very soft, brown, SILT; remainder of interval: wet, very soft, black, SILT, organic odor.	PUSH CORE	
		OL-1206-10	0.1	ML	Wet, very soft, black, SILT, organic odor.	PUSH CORE	Silt

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80182

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Northing: 1119728.93

Easting: 926073.90

Mud Line: 315.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.53 Ft

Attempts: 1

Depth	Recov	Sample	DID(	USCS	0.18	Sample	011
Ft	8	ID	PID(ppm)	Code	Soil Description	Method	Stratum
0	H	OL-1210-17	0.0	ML	0-0.5 in: wet, very soft, brown, SILT, remainder of interval: wet, very soft, dark brown, SILT, slight organic odor.	PUSH CORE	
		OL-1210-18	0.0	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
2.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80183

Date: 05/19/2010

Weather: Low 60s, winds E 5-10mph, cloudy.

Northing: 1119329.54

Easting: 922774.18 Mud Line: 329.8 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT Attempts: 2

Depth Units: Ft

Water Elev: 363.1 Ft

Surface Water Depth: 33.4 Ft

Penetration Depth: 1.80

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1076-03	0.0	ML	0 to 1.5 inches; wet, very soft, light brown, SILT. Rest of increment: wet, very soft, black, SILT.	PUSH CORE	
		OL-1076-04	0.0	ML	Wet, very soft, black, SILT, strong petroleum-like odor.	PUSH CORE	Silt
_							
1.8							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80184

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Core Recovery Depth: 2.00

Northing: 1119399.31

Easting: 922925.20

Mud Line: NA Surface Water Depth: NA Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.34 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	2	ID	(ppm)	Code		Method	Stratum
0		OL-1204-01	0.0	ML	0 to 1 inch is wet, very soft, light brown SILT, fluff. Rest of interval is wet, very soft, black, SILT.	PUSH CORE	
		OL-1204-02	0.0	ML	Wet, very soft, black SILT, and trace organics.	PUSH CORE	Silt
ł							
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80185

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Core Recovery Depth: 2.00

Northing: 1119275.43

Easting: 923576.34

Surface Water Depth: NA

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.34 Ft

Attempts: 1

Depth	20	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1205-13	0.3	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	
		OL-1205-14	0.3	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
1 1	- 1		1				

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80186

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Water Elev: 362.34 Ft

Attempts: 1

Depth Units: Ft

Northing: 1119220.07

Easting: 924197.31

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

> 1	0 1	T DID	11000		1	
Reco	Sample	(ppm)	Code	Soil Description	Sample Method	Stratum
	OL-1205-01	0.3	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	
	OL-1205-02	0.3	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
	Recov	OL-1205-01	OL-1205-01 0.3	OL-1205-01 0.3 ML	OL-1205-01  OL-1205-01  Wet, very soft, black, SILT, slight organic odor.  Wet, very soft, black, SILT, slight organic odor.	OL-1205-01  OL-1205-01  Wet, very soft, black, SILT, slight organic odor.  PUSH CORE  Wet, very soft, black, SILT, slight organic odor.

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80187

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Core Recovery Depth: 2.00

Northing: 1119352.59

Easting: 924807.22

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Surface Water Depth: NA Penetration Depth: 2.00

Water Elev: 362.34 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1205-11	0.3	ML	0 to 0.25 wet, very soft, light brown SILT. Rest of interval is wet, very soft, black, SILT.	PUSH CORE	
		OL-1205-12	0.3	ML	Wet, very soft, black, SILT, trace organics, slight organic odor.	PUSH CORE	Silt
-							
2.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80188

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Northing: 1119344.64

Easting: 926079.25

Mud Line: 318.3 Ft Surface Water Depth: 44 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.34 Ft

Attempts: 1

Surface	Water	Depth: 44 Ft	Pe	netration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1205-19	0.1	ML	0-1 in: wet, very soft, brown, SILT; remainder of interval: wet, very soft, black, SILT, slight organic odor.	PUSH CORE	
		OL-1205-20	0.0	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80189

Date: 05/25/2010

Weather: Mid 80s, variable winds, sunny, humid

Northing: 1119616.23

Easting: 926621.44 Mud Line: 318.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Water Elev: 362.53 Ft

Attempts: 1

Surface	Water	Depth: 44 Ft	Per	netration	Depth: 2.00 Core Recovery Depth: 2.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1210-15	0.0	ML	0-1 in: wet, very soft, brown, SILT; remainder of interval: wet, very soft, dark brown, SILT, slight organic odor.	PUSH CORE	
		OL-1210-16	0.0	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
÷							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80190

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Water Elev: 362.34 Ft

Attempts: 1

Depth Units: Ft

Northing: 1119266.82

Easting: 926437.11 Mud Line: 323.3 Ft Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES
Penetration Depth: 1.00

Surface Water Depth: 39 Ft

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1205-17	0.0	ML	0-0.75 in: wet, very soft, brown, SILT; rest of interval: wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1205-18	0.0	ML	Wet, very soft, black, SILT, slight organic odor.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80191

Date: 05/19/2010

Weather: Low 60s, winds E 5-10mph, cloudy

Northing: 1118844.10

Driller: Anchor QEA

Water Elev: 363.1 Ft

Easting: 923164.45

Logging Company: PARSONS

Attempts: 4

Mud Line: 324.1 Ft

Geologist: S. WEISHAUPT

Depth Units: Ft

Surface Water Depth: 39 Ft

Penetration Depth: 1.40

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1076-01	0.0	ML	Top 1.5 inches: wet, light brown, very soft, SILT. Rest of interval: wet, very soft, black, SILT, trace fine sand, organic odor.	PUSH CORE	
	OL-1076-02 0.0	0.0	Wet, very soft, black, SILT, slight petroleum-like odor, slight sheen on sediment.  ML		PUSH CORE	Silt	
1.4							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80192

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Core Recovery Depth: 2.00

Northing: 1119013.16

Easting: 924682.45

Mud Line: NA

Surface Water Depth: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.34 Ft

Attempts: 1

Depth	00	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1204-03	0.0	ML	0 to 1.5 inches is wet, very soft, light brown, SILT. Rest of interval is wet, very soft, dark brown to black, SILT. In top 4 centimeters are half inch black varving.	PUSH CORE	
		OL-1204-04	0.0	ML	Wet, very soft, black, SILT.	PUSH CORE	Silt
						1	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80193

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Northing: 1119145.46

Easting: 925431.37

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES Penetration Depth: 1.00

Water Elev: 362.34 Ft

Attempts: 1 Depth Units: Ft

Surface Water Depth: NA	Penetration Depth: 1.00	Core Recovery Depth: 1.00

Depth	00	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1206-01	0.0	ML	0-1 in: wet, very soft, brown, SILT; remainder of interval: wet, very soft, dark brown, SILT, slight organic odor.	PUSH CORE	
		OL-1206-02	0.0	ML	Wet, very soft, black, SILT, trace organic material, slight organic odor.	PUSH CORE	Silt
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80194

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Core Recovery Depth: 1.00

Northing: 1119061.45

Easting: 926727.77

d Line: 332 3 Et

Mud Line: 332,3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Surface Water Depth: 30 Ft Penetration Depth: 1.00

Water Elev: 362.34 Ft

Attempts: 1

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1205-15		ML	0-0.5 inch: wet, very soft, brown, SILT; rest of interval: wet, very soft, dark brown, SILT	PUSH CORE	
		OL-1205-16		ML	Wet, very soft, black, SILT, trace organic material, slight organic odor.	PUSH CORE	Silt

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80195

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Core Recovery Depth: 2.00

Northing: 1118780.57

Easting: 925064.02

Mud Line: NA

Surface Water Depth: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 2.00

Water Elev: 362.34 Ft

Attempts: 1

Depth	Recov	Sample	PID	USCS	0.18	Sample	01-1
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1205-07		ML	0-0.5 in: wet, very soft, brown SILT; remainder of interval: wet, very soft, dark brown, SILT, slight organic odor.	PUSH CORE	
		OL-1205-08	0.3	ML	Wet, very soft, black, SILT, trace organics, slight organic odor.	PUSH CORE	Silt
ï							
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80196

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Water Elev: 362.34 Ft

Attempts: 1 Depth Units: Ft

Northing: 1118779.09

Easting: 925579.35

Mud Line: NA

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Surface	Water	Depth: NA	Pe	netration	Depth: 2.00 Core Recovery Depth: 2.00		
Depth	Recov	Sample	PID	USCS	Call Description	Sample	Otrostoros
Ft	8	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1205-09	0.3	ML	0 to 1 inch is wet, very soft, light brown, SILT, fluff. Rest of interval is wet, very soft, dark brown to black, SILT.	PUSH CORE	
		OL-1205-10	0.3	ML	Wet, very soft, black, SILT, trace organics, slight organic odor.	PUSH CORE	Silt
2.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80197

Date: 05/24/2010

Weather: Mid 80s, winds SE 4-8mph, sunny

Core Recovery Depth: 1.00

Northing: 1118693.63

Easting: 926481.00

Surface Water Depth: 33 Ft

Mud Line: 329,3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 1.00

Water Elev: 362.34 Ft

Attempts: 1

200	Sample	PID	USCS		Sample	
Re	ID	(ppm)	Code	A Company of the Comp	Method	Stratum
	OL-1206-03	0.0	ML	0-0.5 in: wet, very soft, brown, SILT; remainder of interval: wet, very soft, dark brown, SILT, slight organic odor.	PUSH CORE	
	OL-1206-04	0.0	ML	Wet, very soft, black, SILT, trace organic material, slight organic odor.	PUSH CORE	Silt
	Recov	OL-1206-03	OL-1206-03 0.0	OL-1206-03 0.0 ML	OL-1208-03  OL-120	OL-1206-03  OL-120

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80198

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Northing: 1131975.17

Easting: 914005.03 Mud Line: 311.4 Ft

Surface Water Depth: 51.0 Ft

Driller: PARSONS

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 1.00 Core Recovery Depth: 1.00

Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	ď	ID	(ppm)	Code	At the second se	Method	Stratum
0		OL-1342-07	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1342-08	0.0	ML	Wet, very soft, dark brown, SILT, trace fine sand, trace organics.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80199

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1130707.50

Easting: 913206.19 Mud Line: 304.4 Ft Driller: PARSONS

Logging Company: PARSONS Geologist: S. WEISHAUPT Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 58.0 Ft

Penetration Depth: 1.00

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1342-09	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1342-10	0.0	ML	Wet, very soft, dark brown, SILT, trace fine sand.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80200

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1130846.39

Easting: 915136.00 Mud Line: 306.4 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 56.0 Ft

Penetration Depth: 1.00

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0	Ī	OL-1343-01	0.0	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	PUSH CORE	
		OL-1343-02	0.0	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	PUSH CORE	Silt
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80201

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1129680.64

Easting: 914655.50 Mud Line: 302.4 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT Water Elev: 362.4 Ft

Attempts: 1 Depth Units: Ft

Surface Water Depth: 60.0 Ft

Penetration Depth: 1.00

Suriace		Depth: 60.0 F	ı re	letiation	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1343-07	0.0	ML	Wet, very soft, black, SILT.		
					Wet, very soft, gray-brown, SILT, trace fine sand.		Silt
		OL-1343-08	0.0	ML			
			_				

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80202

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1128981.03

Easting: 914233.97 Mud Line: 304.4 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 58.0 Ft

Penetration Depth: 1.00

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1343-03	0.0	ML	Wet, very soft, dark brown, SILT, trace organics.	PUSH CORE	
		OL-1343-04	0.0	ML	Wet, very soft, gray to brown, SILT, trace fine sand, trace organics.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80203

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1128657.65

Easting: 914918.47 Mud Line: 297.4 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 65.0 Ft

Penetration Depth: 1.00

Depth	200	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1344-04	0.0	ML	Wet, very soft, dark brown, SILT, trace fine sand, trace organic material.	PUSH CORE	
		OL-1344-05	0.0	ML	Wet, very soft, dark brown, SILT, trace organics.	PUSH CORE	Silt
1.0							

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80204

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Water Elev: 362.4 Ft

Attempts: 1 Depth Units: Ft

Northing: 1128860.55

Easting: 915520.30 Mud Line: 293.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Surface	Water	Depth: 69.0 F	t Per	Penetration Depth: 1.00 Core Recovery Depth: 1.00			)	
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum	
0		OL-1343-16	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE		
		OL-1343-17	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	Silt	
1.0								

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80205

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1127849.31

Easting: 915584.42 Mud Line: 301.4 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 61.0 Ft

Penetration Depth: 1.00

Core Recovery Depth: 1.00

<b>Surrace</b>	vvater	Depth: 61.0 F	-t Pe	netration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS	Soil Description	Sample Method	Stratum
0		OL-1344-02	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1344-03	0.0	ML	Wet, very soft, dark brown, SILT, trace fine sand, slight sulfur odor.	PUSH CORE	Silt
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80206

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Water Elev: 362.4 Ft

Attempts: 1 Depth Units: Ft

Northing: 1127272.18

Easting: 918812.49 Mud Line: 308.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Surface	Water	Depth: 54.0 F	t Per	netration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1343-20	0.0	ML	Wet, very soft, black, SILT, trace fine sand.	PUSH CORE	
		OL-1344-01	0.0	ML	Wet, very soft, dark brown, SILT, trace organics.	PUSH CORE	Silt
1.0							

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80207

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1126200.71

Easting: 922858.97

Mud Line: 322.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Water Elev: 362.4 Ft

Attempts: 1

Surface	Water	Depth: 40.0 F	t Per	netration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS	Soil Description	Sample Method	Stratum
0		OL-1343-18	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1343-19	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	Silt
<sub>1.0</sub>							

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80208

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1124587.43

Easting: 921453.68 Mud Line: 296.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Water Elev: 362.4 Ft

Attempts: 1 Depth Units: Ft

Surrace v	Vater	Depth: 66.0 F	t Per	netration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS	Soil Description	Sample Method	Stratum
0		OL-1343-14	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	
		DL-1343-15	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	Silt
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80209

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1123784.88

Easting: 923792.24 Mud Line: 300.4 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 62.0 Ft

Penetration Depth: 1.00

Core Recovery Depth: 1.00

Depth	20	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1343-05	0.0	ML	Wet, very soft, black, SILT.	PUSH CORE	
		OL-1343-06	0.2	ML	Wet, very soft, gray-brown, SILT, slight petroleum-like odor.	PUSH CORE	Silt
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80210

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1122686.42

Easting: 922031.88 Mud Line: 297.4 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 65.0 Ft

Penetration Depth: 1.00

Core Recovery Depth: 1.00

Surface	vvaler	Depth: 65.0 F	r Fei	icuation	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS	Soil Description	Sample Method	Stratum
0		OL-1343-09	0.0	ML	Wet, very soft, dark brown, SILT, trace fine sand.	PUSH CORE	
		DL-1343+10	0.2	ML	Wet, very soft, dark brown, SILT, trace organics.	PUSH CORE	Silt
1.0							

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## Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80211

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1120445.57

Easting: 927141.95 Mud Line: 329.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Core Recovery Depth: 1.00

Depth Units: Ft

Water Elev: 362.4 Ft

Attempts: 1

Surface Water Depth: 33.0 Ft Penetration Depth: 1.00 Recov PID USCS Sample Depth Sample Soil Description Stratum Ft ID (ppm) Code Method Wet, very soft, dark brown, SILT, trace fine sand. 0.0 ML OL-1343-11 PUSH CORE Wet, very soft, black, SILT. Silt 0.0 ML PUSH CORE OL-1343-12 1.0

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80212

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1119101.48

Easting: 923052.01 Mud Line: 325.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Attempts: 1

Water Elev: 362.4 Ft

Sunace	vvater	Depth: 37.0 F	Per	letration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1341-11	0.0	ML	Wet, very soft, dark brown, silt.	PUSH CORE	
		OL-1341-12	0.0	ML	Wet, very soft, light brown, silt, trace organics, slight petroleum-like odor.	PUSH CORE	Silt
	- 21 to						
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80213

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1119046.05 Easting: 923606.46

Driller: Anchor QEA

Water Elev: 362.4 Ft

Mud Line: 301.4 Ft

Logging Company: PARSONS Geologist: S. WEISHAUPT Attempts: 1
Depth Units: Ft

Surface Water Depth: 61.0 Ft

Penetration Depth: 1.00 Core Recovery Depth: 1

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1341-13	0.0	ML	Wet, very soft, black, silt.	PUSH CORE	
		OL-1341-14	0.0	ML	Wet, very soft, black, silt.	PUSH CORE	Silt
			4				
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80214

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1119237.07

Easting: 924030.96

Mud Line: 301.4 Ft Surface Water Depth: 61.0 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Water Elev: 362.4 Ft

Attempts: 1

Surface	Water	Depth: 61.0 F	t Pe	netration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1341-05	0.0	ML	Wet, very soft, black, silt.	PUSH CORE	
		OL-1341-06	0.0	ML	Wet, very soft, black, silt, faint petroleum-like odor.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80215

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1118613.07

Easting: 923440.86

Mud Line: 326.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: S. WEISHAUPT

Water Elev: 362.4 Ft

Attempts: 1

Surface	Water	Depth: 36.0 F	t Pe	netration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0	Ī	OL-1341-15	0.0	ML	Wet, very soft, dark brown, silt, slight petroleum-like odor.	PUSH CORE	
		OL-1341-16	0.0	ML	Wet, very soft, black, silt, trace organics, petroleum-like odor.	PUSH CORE	Silt
			4				
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80216

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Core Recovery Depth: 1.00

Northing: 1118831.92

Easting: 923852.72 Mud Line: 309.4 Ft

Surface Water Depth: 53.0 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 1.00

Water Elev: 362.4 Ft

Attempts: 1

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1341-17	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	PUSH CORE	
		OL-1341-18	0.0	ML	Wet, very soft, dark gray, SILT.	PUSH CORE	Silt
			-1				
1.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80217

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1119006.36

Easting: 924074.27 Mud Line: 302.4 Ft

Surface Water Depth: 60.0 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Water Elev: 362.4 Ft

Attempts: 1

5 0	Water >	0 1	T DID I	11000		Το . Τ	
Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft 0	α_	ID	(ppm)	Code	Wet, very soft, black, SILT.	Method	Ottatani
		OL-1341-19	0.0	ML		PUSH CORE	
		OL-1341-20	0.0	ML	Wet, very soft, black, SILT.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80218

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1118808.73

Easting: 924433.71

Mud Line: 310.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: S. WEISHAUPT

Water Elev: 362.4 Ft

Attempts: 1

Surface	Water	Depth: 52.0 F	t Per	netration	Depth: 1.00 Core Recovery Depth: 1.00		
Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1341-09	0.0	ML	Wet, very soft, black, silt.	PUSH CORE	
		OL-1341-10	0.0	ML	Wet, very soft, black, silt, slight petroleum-like odor.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80219

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1118968.67

Easting: 925253.38

Mud Line: 310.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: S. WEISHAUPT

Water Elev: 362.4 Ft

Attempts: 1

		Depth: 52.0 F	<del></del>		Depth: 1.00 Core Recovery Depth: 1.00	T T	
Depth	Recov	Sample	PID	USCS	Soil Description	Sample	Stratum
Ft	ď	ID	(ppm)	Code	At the same and th	Method	Straturi
0		OL-1342-01	0.0	ML	Wet, very soft, dark brown, SILT, trace organic material.	PUSH CORE	
		OL-134 <mark>2-02</mark>	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	PUSH CORE	Silt
1.0 —							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80220

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1118580.86

Easting: 925825.56 Mud Line: 324.4 Ft

Surface Water Depth: 38.0 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Penetration Depth: 1.00 Core Recovery Depth: 1.00

Water Elev: 362.4 Ft

Attempts: 1
Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1341-07	0.0	ML	Wet, very soft, dark brown, silt.	PUSH CORE	
		OL-1341-08	0.0	ML	Wet, very soft, black, silt, slight petroleum-like odor.	PUSH CORE	Silt
1.0 \( \big  \)							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80221

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Water Elev: 362.4 Ft

Attempts: 1

Depth Units: Ft

Northing: 1119027.31

Easting: 926051.22 Mud Line: 316.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1342-03	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1342-04	0.0	ML	Wet, very soft, black, SILT.	PUSH CORE	Silt
			4				
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80222

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Core Recovery Depth: 1.00

Northing: 1118424.60

Easting: 926024.72

Mud Line: 326.4 Ft

Surface Water Depth: 36.0 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: S. WEISHAUPT

Penetration Depth: 1.00

Water Elev: 362.4 Ft

Attempts: 1

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0	Ī	OL-1342-05	0.0	ML	Wet, very soft, dark brown, SILT.	PUSH CORE	
		OL-1342-06	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	PUSH CORE	Silt
1.0							

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-80223

Date: 08/11/2010

Weather: Mid 80s, winds NW/NE 5-10 mph, humid

Northing: 1119438.15

Easting: 926878.49

Driller: Anchor QEA

Logging Company: PARSONS Geologist: S. WEISHAUPT Attempts: 1

Water Elev: 362.4 Ft

Mud Line: 329.4 Ft Depth Units: Ft Surface Water Depth: 33.0 Ft Penetration Depth: 1.00 Core Recovery Depth: 1.00 Recov Depth Sample PID USCS Sample Soil Description Stratum Ft ID (ppm) Code Method Wet, very soft, dark brown, silt, trace fine sand. 0 0.0 ML OL-1341-01 **PUSH CORE** Wet, very soft, dark brown, silt, trace fine sand. Silt OL-1341-02 0.0 ML PUSH CORE 1.0

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20206

Date: 06/10/2010

Weather: Low 70s cloudy w/showers, Winds WNW 15mph

Water Elev: 363.15 Ft

Attempts: 1

Depth Units: Ft

Northing: 1119514.14

Easting: 921517.48

Mud Line: 360.65 Ft

1517.48

Surface Water Depth: 2.5 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 11.50

Core Recovery Depth: 9.60

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1297-01	1.9	sw	Wet, loose, light gray, fine to coarse SAND, some cemented chunks throughout, petroleum-like odor.	Vibracore	
-	ľ	OL-1297-02	1.3	sw	Wet, loose, light gray, fine to coarse SAND, some cemented chunks throughout, petroleum-like odor.	Vibracore	
	ı	OL-1297-03	4.0	sw	Wet, loose, light gray, fine to coarse SAND, some cemented chunks throughout, petroleum-like odor.	Vibracore	Fine to coarse San
Ť		OL-1297-04	0.3	sw	Wet, loose, light gray, fine to coarse SAND, trace silt, some cemented chunks throughout, petroleum-like odor and sulfur-like odor.	Vibracore	
		OL-1297-05	1.3	ML	0-7 inches -Wet, loose, light gray, fine to coarse SAND, trace silt, some cemented chunks throughout, petroleum-like odor and sulfur-like odor. 7-12 inches -Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, trace cemented chunks throughout, slight sulfur-like odor.	Vibracore	
5 +		OL-1297-06	0.4	ML	Wet, soft, light gray, SILT and medium to fine Sand, trace shells, sulfur-like odor.	Vibracore	
Ť		OL-1297-07	1.2	ML	Wet, soft, light gray, SILT and medium to fine Sand, trace shells, sulfur-like odor.	Vibracore	
†		OL-1297-08	0.3	ML	Wet, soft, light gray, SILT and medium to fine Sand, trace shells, sulfur-like odor.	Vibracore	Marl
†		OL-1297-09	0.3	ML	Wet, soft, light gray, SILT and medium to fine Sand, trace shells, sulfur-like odor.	Vibracore	
Ť		OL-1297-10	0.3	ML	Wet, soft, light gray, SILT and medium to fine Sand, trace shells, sulfur-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20207

Date: 06/11/2010

Weather: Low 70s cloudy w/showers, Winds WNW 15mph

Water Elev: 363.33 Ft

Attempts: 1

Depth Units: Ft

Northing: 1119452.87

Easting: 921580.41

Mud Line: 360.83 Ft

Surface Water Depth: 2.5 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 11.50

Core Recovery Depth: 10.00

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1294-03	29.0	sw	Wet, very loose, light gray, fine to coarse SAND, cemented chunks throughout, chemical-like odor.	Vibracore	
	ľ	OL-1294-04	9.0	sw	Wet, very loose, light gray, fine to coarse SAND, cemented chunks throughout, chemical-like odor.	Vibracore	
		OL-1294-05	27.0	sw	Wet, loose, light gray, fine to coarse SAND, cemented chunks throughout, slight sulfur-like odor.	Vibracore	Fine to Coarse Sand
Ī		OL-1294-06	9.0	sw	0-4 inches -Wet, loose, light gray, fine to coarse SAND, some cemented chunks throughout, sulfur-like odor. 4-12 -Wet, loose, light gray, fine to coarse SAND, little silt, some cemented chunks, trace shells, slight sulfur-like odor.	Vibracore	
İ		OL-1294-07	27.0	SM	Wet, loose, light gray, fine to coarse SAND, trace silt, little cemented chunks, slight sulfur-like odor.	Vibracore	
5		OL-1294-09	12.6	SM	Wet, loose, light gray, fine to coarse SAND, trace silt, trace shells, slight sulfur-like odor.	Vibracore	
+		OL-1294-10	1.4	SM	Wet, medium dense, light gray, medium to fine SAND, little silt, trace shells, sulfur-like odor.	Vibracore	
-		OL-1294-11	1.2	SM	Wet, medium dense, light gray, medium to fine SAND, some silt, trace shells, sulfur-like odor.	Vibracore	Marl
		OL-1294-12	1.2	ML	Wet, soft, light gray, SILT and fine Sand, trace shells, sulfur-like odor.	Vibracore	
+		OL-1294-13	1.0	ML	Wet, soft, light gray, SILT and fine Sand, trace shells, sulfur-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20208

Date: 06/10/2010

Weather: Low 70s cloudy w/showers, Winds WNW 15mph

Water Elev: 363.33 Ft

Attempts: 3

Depth Units: Ft

Northing: 1119414.63

Easting: 921515.36

Mud Line: 361.83 Ft Surface Water Depth: 1.5 Ft **Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 11.50

Core Recovery Depth: 8.25

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1298-09	1.6	GW	Wet, very dense, black, fine to coarse GRAVEL and fine to coarse Sand, trace cobbles, slight petroleum-like odor.	Vibracore	
		OL-1298-10	1.8	GW	Wet, very dense, black, fine to coarse GRAVEL, little fine to coarse sand, trace cobbles, slight petroleum-like odor.	Vibracore	
		OL-1298-11	1.8	GW	Wet, very dense, black, fine to coarse GRAVEL, little fine to coarse sand, trace cobbles, slight petroleum-like odor.	Vibracore	Gravel
÷-		OL-1298-12	4.6	GW	Wet, very dense, dark gray, fine to coarse GRAVEL, some fine to coarse sand, little silt, slight petroleum-like odor.	Vibracore	
		OL-1298-13	2.0	ML	Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, slight sulfur-like odor.	Vibracore	
5		OL-1298-16	1.0	ML	Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, slight sulfur-like odor.	Vibracore	
+		OL-1298-15	1.2	ML	Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, slight sulfur-like odor.	Vibracore	Marl
†		OL-1298-17	1.3	ML	Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, slight sulfur-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20209

Date: 06/10/2010

Weather:

Northing: 1119349.463

Easting: 921604.954

Mud Line: 361.4 Ft

Surface Water Depth: 1.9 Ft

**Driller: PARSONS** 

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 11.50

Water Elev: 363.3 Ft

Attempts: 3

Depth Units:

Core Recovery Depth: 8.30

	Recov	Sample	PID	USCS		Sample	
Depth	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1297-11	18.0	GW	"Wet, very dense, light to dark gray, fine to coarse GRAVEL and fine to coarse Sand, some cobbles, petroleum like odor."		
1		ÖL-1297-12	89.0	GW	"Wet, very dense, light to dark gray, fine to coarse GRAVEL and fine to coarse Sand, some cobbles, trace silt, petroleum like odor."		
+	I	OL-1297-13	138.0	ML	"Wet, dense, light gray, SILT and fine to coarse Sand, some cemented chunks, slight petroleum like odor."		
Ť		OL-1297-15	248.0	ML	"Wet, dense, light gray, SILT and fine to coarse Sand, some cemented chunks, slight petroleum like odor."		
1	OL-1297-	OL-1297-16	OL-1297-16 40.5	40.5 ML	"Wet, soft, light gray, SILT and fine to coarse Sand, trace cemented chunks, trace shells, slight petroleum like odor."		
5 +		OL-1297-17	16.0	ML	"Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, slight sulfur like odor."		
		OL-1297-18	7.1	ML	"Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, slight sulfur like odor."		
-		OL-1297-19	4.3	ML	"Wet, soft, light gray, SILT and fine to coarse Sand, trace shells, slight sulfur like odor."		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30157

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Northing: 1124448.44

Easting: 918775.86 Mud Line: 339.5 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES Water Elev: 363.10 Ft

Attempts: 1 Depth Units: Ft

Surface Water Depth: 23.6 Ft

Penetration Depth: 7.50

Core Recovery Depth: 6.10

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1300-04	0.1	ML	Wet, very soft, dark gray, SILT, trace fine sand, mothball odor.	Vibracore	Silt
		OL-1300-05	1.4	SOLW	Wet, very soft, green to dark gray, silt-like grains, trace sand-like grains, trace cemented chunks, mothball odor.	Vibracore	
	ı	OL-1300-07	1.5	SOLW	Wet, very soft, green to dark gray, silt-like grains, trace sand-like grains, trace cemented chunks, mothball odor.	Vibracore	Solvay Waste

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30158

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Northing: 1123060.23

Easting: 920095.91 Mud Line: 335.8 Ft

Surface Water Depth: 27.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES Attempts: 1
Depth Units: Ft

Water Elev: 363.10 Ft

Penetration Depth: 7.50 Core Recovery Depth: 6.60

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1300-08	1.6	ML	Wet, soft, dark brown, SILT, trace fine sand.	Vibracore	
		OL-1300-09	2.6	ML	Wet, soft, dark brown, SILT, trace fine sand.	Vibracore	Silt
	ı	OL-1300-10	1.2	ML	Wet, very soft, black, SILT, little silt-like grains, mothball odor.	Vibracore	
3.0		OL-1300-10				Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30173

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Northing: 1126628.02

Easting: 917494.81 Mud Line: 341.50 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES Water Elev: 363.10 Ft

Attempts: 1 Depth Units: Ft

Surface Water Depth: 21.8 Ft

Penetration Depth: 7.50

Core Recovery Depth: 6.70

20	Sample	PID	USCS		Sample	
Rec	ID	(ppm)	Code	Soil Description	Method	Stratum
	OL-1300-01	2.0	SM/ML	0-7 inches -Wet, medium dense, dark brown, fine to coarse SAND, little silt, trace shells, (SM). 7-12 inches-Wet soft, dark brown, SILT, some fine sand, trace shells, (ML).	Vibracore	
	OL-1300-02	2.3	ML	Wet, soft, dark brown, SILT, some fine sand, trace organic material.	Vibracore	Silt
	OL-1300-03	2.2	ML	Wet, soft, black, SILT, some fine sand, trace organic material.	Vibracore	
	Recov	OL-1300-01 OL-1300-02	OL-1300-01 2.0 OL-1300-02 2.3	OL-1300-01 2.0 SM/ML OL-1300-02 2.3 ML	OL-1300-01  2.0  SM/ML  OL-1300-01  OL-1300-01  OL-1300-02  OL-130	OL-1300-01  2.0  SM/ML  OL-1300-01  OL-1300-02  OL-130

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30174

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Northing: 1124222.73

Surface Water Depth: 18.8 Ft

Easting: 919011.75 Mud Line: 344.3 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES Attempts: 1
Depth Units: Ft

Water Elev: 363.1 Ft

Penetration Depth: 4.50

Core Recovery Depth: 3.10

Depth S		Sample	PID	USCS	Cail Description	Sample	
Ft	Ft & ID	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1298-18	2.1	SOLW	Wet, soft, white-green-gray, silt-like grains, some sand-like grains, some cemented chunks, mothball odor.	Vibracore	
-	ľ	OL-1298-19	1.7	SOLW	Wet, soft, white-green-gray, silt-like grains, some sand-like grains, some cemented chunks, mothball odor.	Vibracore	Solvay Waste
		OL-1298-20	1.6	SOLW	Wet, soft, white, sit-like grains, some sand-like grains, some cemented chunks, mothball odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30175

Date: 06/09/2010

Weather: Low 60s, Winds ESE 10 mph, cloudy

Northing: 1123284.07

Easting: 919616.64 Mud Line: 351.27 Ft Driller: Anchor QEA
Logging Company: PARSONS
Coologist: ALLISON MENGES

Water Elev: 363.27 Ft

Geologist: ALLISON MENGES

Attempts: 1
Depth Units: Ft

Surface Water Depth: 12.0 Ft

Penetration Depth: 7.50

Core Recovery Depth: 6.80

Depth S		Sample	PID	USCS		Sample	
Ft	8	333	Method	Stratum			
0		OL-1278-01	0.0	sw	Wet, medium dense, dark brown, fine to coarse SAND, trace shells, slight petroleum-like odor.	Vibracore	
	I	OL-1278-02	0.0	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace silt, trace shells, slight petroleum-like odor.	Vibracore	Fine to Coarse Sand
		OL-1278-03	0.0	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace silt, trace shells, slight petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40269

Date: 06/08/2010

Weather:

Northing: 1126028.51

Easting: 914523.22

Mud Line: 360.1 Ft

Surface Water Depth: 2.9 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 15.00

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Core Recovery Depth: 14.30

Depth	00	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0			0.0	ML	Wet, medium stiff, light brown, SILT and fine to coarse Sand, trace fine to coarse grave, trace shells, trace wood fragments, sulfur like odor.		
		OL-1277-02	0.0	ML	Wet, soft, light brown, SILT, some fine to coarse sand, trace cemented chunks, trace shells, sulfur like odor.	Vibracore	
Ť		OL-1277-03	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur odor.	Vibracore	
1		OL-1277-04	0.0	ML	Wet, medium stiff, light brown, SILT and fine to coarse sand, some cemented chunks, trace shells, sulfur odor.	Vibracore	
		OL-1277-05	0.0	ML	Wet, soft, light brown, SILT, some fine sand, some cemented chunks in first 3 inches, trace shells, sulfur odor.	Vibracore	
5 +		OL-1277-06	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur odor.	Vibracore	
†		OL-1277-07	0.0	ML	Wet, soft, light brown, SILT, some fine to medium sand, little cemented chunks, trace shells, sulfur odor.	Vibracore	
Ť		OL-1277-08	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur odor.	Vibracore	
†		OL-1277-09	0.0	ML	Wet, medium stiff, light brown, SILT and fine Sand, trace shells, sulfur odor.	Vibracore	
†		OL-1277-10	0.0	ML	Wet, medium stiff, light brown, SILT and fine Sand, trace shells, sulfur odor.	Vibracore	
10 +			0.0				
†				1			
†				1			
†				1			
14.3				<u></u>			

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40270

Date: 06/08/2010

Weather: Low 70s, mostly cloudy, Winds WNW 10-20mph

Water Elev: 363.18 Ft

Attempts: 1

Depth Units: Ft

Northing: 1125923.34

Easting: 914603.37

Mud Line: 360.68 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 11.00

0--- D------ D--#- 0.05

Surface Water Depth: 2.5 Ft					
Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
OL-1276-01	0.0	ML	Wet, stiff, dark brown, SILT, some clay, slight petroleum-like odor.	Vibracore	
OL-1276-02	0.2	ML	Wet, soft, dark brown, SILT, some fine sand, slight sulfur-like odor.	Vibracore	
OL-1276-03	0.0	ML	Wet, soft, light brown, SILT, some fine to coarse sand, some cemented chunks, sulfur-like odor.	Vibracore	Silt
OL-1276-04	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
OL-1276-05	0.0	ML/SM	Wet, very soft, light brown, SILT and fine to coarse Sand, trace cemented chunks.	Vibracore	
OL-1276-06	0.0	ML/SM	Wet, very soft, light brown, SILT and fine Sand.	Vibracore	
OL-1276-07	0.0	ML/SM	Wet, very soft, light brown, SILT and fine Sand.	Vibracore	Silt and Sand
OL-1276-08	0.0	ML/SM	Wet, very soft, light brown, SILT and fine Sand.	Vibracore	
OL-1276-09	0.0	ML/SM	Wet, very soft, light brown, SILT and fine Sand.	Vibracore	
	Sample ID  OL-1276-01  OL-1276-02  OL-1276-03  OL-1276-04  OL-1276-06  OL-1276-07  OL-1276-08	Sample ID         PID (ppm)           OL-1276-01         0.0           OL-1276-02         0.2           OL-1276-03         0.0           OL-1276-04         0.0           OL-1276-05         0.0           OL-1276-06         0.0           OL-1276-07         0.0           OL-1276-08         0.0	Sample         PID (ppm)         USCS Code           OL-1276-01         0.0         ML           OL-1276-02         0.2         ML           OL-1276-03         0.0         ML           OL-1276-04         0.0         ML           OL-1276-05         0.0         ML/SM           OL-1276-06         0.0         ML/SM           OL-1276-07         0.0         ML/SM           OL-1276-08         0.0         ML/SM	Sample ID (ppm) Code Soil Description  Uscs (ppm) Code Wet, stiff, dark brown, SiLT, some clay, slight petroleum-like odor.  OL-1276-01 0.0 ML  Wet, soft, dark brown, SiLT, some fine sand, slight sulfur-like odor.  OL-1276-02 0.2 ML  Wet, soft, light brown, SiLT, some fine to coarse sand, some cemented chunks sulfur-like odor.  OL-1276-04 0.0 ML  Wet, soft, light brown, SiLT, some fine to coarse sand, some cemented chunks sulfur-like odor.  OL-1276-05 0.0 ML/SM  Wet, very soft, light brown, SiLT and fine to coarse Sand, trace cemented chunks.  Wet, very soft, light brown, SiLT and fine Sand.  OL-1276-07 0.0 ML/SM  Wet, very soft, light brown, SiLT and fine Sand.  OL-1276-08 0.0 ML/SM  Wet, very soft, light brown, SiLT and fine Sand.  Wet, very soft, light brown, SiLT and fine Sand.  Wet, very soft, light brown, SiLT and fine Sand.	Sample ID USCS (ppm) Code Soil Description Method  OL-1276-01 0.0 ML Wet, stiff, dark brown, SILT, some clay, slight petroleum-like odor.  OL-1276-02 0.2 ML Wet, soft, dark brown, SILT, some fine sand, slight sulfur-like odor.  OL-1276-03 0.0 ML Wet, soft, light brown, SILT, some fine to coarse sand, some cemented chunks. sulfur-like odor.  OL-1276-04 0.0 ML Wet, soft, light brown, SILT, some fine to coarse sand, some cemented chunks. sulfur-like odor.  OL-1276-04 0.0 ML Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.  Vibracore  Wet, very soft, light brown, SILT and fine to coarse Sand, trace cemented chunks.  Vibracore  Wet, very soft, light brown, SILT and fine Sand.  OL-1276-06 0.0 ML/SM Vet, very soft, light brown, SILT and fine Sand.  OL-1276-08 0.0 ML/SM Vibracore  Wet, very soft, light brown, SILT and fine Sand.  Vibracore

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Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 8.30

Boring No: OL-VC-40271

Date: 06/08/2010

Weather:

Northing: 1125911.35

Easting: 914758.41

Mud Line: 333.2 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS

Geologist: A. MENGES

Surface Water Depth: 30 Ft Penetration Depth: 11.00

Water Elev: 363.2 Ft

Attempts: 2

Depth	30	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0			0.0	ML	0-9 in -Wet, soft, dark brown, SILT, some fine sand, trace organic material, slight organic odor. 9-12 in -Wet, soft, light gray, SILT, trace fine sand, slight organic odor.		
+		OL-1276-1 <mark>2</mark>	0.0	ML	Wet, stiff, gray, SILT, some clay, slight organic odor.	Vibracore	
+		OL-1276-13	0.0	ML	Wet, medium stiff, light to dark gray, SILT, little clay.	Vibracore	
+		OL-1276-15	0.0	ML	Wet, medium stiff, light to dark gray, SILT, little clay.	Vibracore	
-		OL-1276-16	0.0	ML	Wet, soft, dark gray, SILT, little clay, little fine sand, slight petroleum like odor.	Vibracore	
5 —		OL-1276-17	0.0	ML	Wet, soft, light brown to dark gray, SILT, some fine to coarse sand, some cemented chunks, sulfur like odor.	Vibracore	
		OL-1276-18	0.0	ML	Wet, soft, light brown, SILT, some fine to coarse sand, some cemented chunks in first 3 inches, trace shells, sulfur odor.	Vibracore	
+		OL-1276-19	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur odor.	Vibracore	
8.3			-		ate PID reading not taken.		

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 4.70

Boring No: OL-VC-40304

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Northing: 1126575.57

Easting: 914243.41

Mud Line: 358.10 Ft Surface Water Depth: 5.0 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 7.00

Water Elev: 363.10 Ft

Attempts: 1

Depth Units: Ft

Vibracore

ı	Depth	Recov	Sample	PID	USCS		Sample	
	Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
	0		OL-1292-20	0.8	SM	Wet, loose, light brown, fine to coarse SAND, trace silt, trace shells, sulfur-like odor.	Vibracore	
			OL-1294-01	0.4	SM	Wet, loose, light brown, medium fine SAND, little silt, trace shells, sulfur-like odor.	Vibracore	Marl

Wet, loose, light brown, fine to coarse SAND, trace silt, some cemented chunks, trace shells, sulfur-like odor.

Note: Null field

OL-1294-02

0.4

Note: Null fields indicate PID reading not taken.

SM

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50004-2

Date: 06/14/2010

Weather: Mid 70s, clouds&rain, Winds NW 10-15mph

Northing: 1133039.78

Easting: 910750.36

Mud Line: 357.38 Ft

Surface Water Depth: 5.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 2.80

Core Recovery Depth: 2.70

Attempts: 1 Depth Units: Ft
Depth Units: Ft

Water Elev: 362.58 Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1304-01	9.1	sw	Wet, loose, dark brown, fine to coarse SAND, trace organic material, trace shells.	Vibracore	Sand
4.0		OL-1304-02	26.8	SM	Wet, medium dense, light gray, fine to coarse SAND, trace silt, little cemented chunks, trace shells, sulfur-like odor.	Vibracore	Marl

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50009-2

Date: 06/14/2010

Weather: Mid 70s, clouds&rain, Winds NW 10-15mph

Northing: 1132921.65

Easting: 910789.07

Mud Line: 357.78 Ft Surface Water Depth: 4.8 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 4.50

Water Elev: 362.58 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 4.00

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1304-03	12.1	sw	Wet, loose, dark brown, fine to coarse SAND, some fine to coarse gravel, trace shells.	Vibracore	Cond
101		OL-1304-04	18.0	SM	Wet, medium dense, light gray, fine to coarse SAND, trace silt, some cemented chunks, sulfur-like odor.	Vibracore	Sand

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50076-2

Date: 06/14/2010

Weather: Mid 70s, clouds&rain, Winds NW 10-15mph

Northing: 1132868.44

Easting: 910814.04

Mud Line: 358.18 Ft Surface Water Depth: 4.4 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 4.00

Water Elev: 362.58 Ft

Attempts: 1 Depth Units: Ft

Core Recovery Depth: 4.00

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1304-05	9.4	ML	0 -1.5 inches -Wet, loose, dark brown, fine to coarse SAND, trace organic material (SM). 1.5 -0.5 inches -Wet, soft, light gray, SILT and fine Sand, trace shells, sulfur-like odor, (ML).	Vibracore	Silt
10		OL-1304-06	3.7	SM	Wet, medium dense, light gray, medium to fine SAND and Silt, trace shells, sulfur-like odor.	Vibracore	Marl

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50077-2

Date: 06/14/2010

Weather: Mid 70s, clouds&rain, Winds NW 10-15mph

Northing: 1132908.89

Easting: 910748.86

Mud Line: 358.58 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 4.00 Core Recovery Depth: 4.00

Water Elev: 362.58 Ft

Attempts: 1 Depth Units: Ft

Surface	Water	Depth:	4.0 Ft
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Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1304-07	5.5	sw	Wet, medium dense, dark brown, fine to coarse SAND and fine to coarse Gravel, trace shells, trace organics.	Vibracore	
		OL-1304-08	4.8	ML/SM	Wet, soft, light gray, SILT and medium fine Sand, trace shells, sulfur-like odor.	Vibracore	Sand
1.0			Market Michigan	Callata to the	to DID roading not taken	-	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50078-2

Date: 06/14/2010

Weather: Mid 70s, clouds&rain, Winds NW 10-15mph

Northing: 1132922.43

Easting: 910817.23

Mud Line: 357.78 Ft

Surface Water Depth: 4.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 2.00

Water Elev: 362.58 Ft

Attempts: 2 Depth Units: Ft

Core Recovery Depth: 1.50

Depth	1 100	Kecov	Sample	PID	USCS		Sample	
Ft	0	Ye	ID	(ppm)	Code	Soil Description	Method	Stratum
0	ń		OL-1304-12	0.0	GW	Wet, dense, dark brown, fine to coarse GRAVEL, some fine to coarse sand, little cobbles, trace organic material.	Vibracore	Gravel
4.0			OL-1304-13	0.4	ML	Wet, soft, light brown, SILT, some fine to coarse sand, trace fine to coarse gravel.	Vibracore	Silt
10	-	_						

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Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 3.00

Boring No: OL-VC-50079-2

Date: 06/14/2010

Weather: Mid 70s, clouds&rain, Winds NW 10-15mph

Northing: 1132968.93

Easting: 910824.63

Mud Line: 356.88 Ft Surface Water Depth: 5.7 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 3.00

Water Elev: 362.58 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1304-10	12.0	sw	Wet, dense, dark brown, fine to coarse SAND and fine to coarse Gravel.	Vibracore	Sand
10		OL-1304-11	1.0	ML	Wet, soft, light gray, SILT and medium to fine Sand, trace shells, sulfur-like odor.	Vibracore	Silt

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 5.00

Boring No: OL-VC-50080

Date: 06/11/2010

Weather: High 70s, Winds WNW 0-5mph, sun&clouds

Northing: 1127919.86

Easting: 913489.44

Mud Line: 348.10 Ft Surface Water Depth: 15.0 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 7.00

Water Elev: 363.10 Ft

Attempts: 2

Depth Units: Ft

Depth	Recov	Sample	PID	USCS		Sample	_
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1292-11	0.7	GW	Wet, loose, dark brown, fine to coarse GRAVEL, some coarse to fine sand, trace silt, trace shells, slight sulfur-like odor.	Vibracore	Gravel
		OL-1292-12	7.1	SM	Wet, medium dense, light brown, medium to fine SAND, trace silt, trace shells, sulfur-like odor.	Vibracore	Marl
		OL-1292-13	30.0	SM	Wet, loose, light brown, medium to fine SAND, little silt, trace shells, sulfur-like odor.	Vibracore	iviari

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50081

Date: 06/11/2010

Weather: High 70s, Winds WNW 0-5mph, sun&clouds

Northing: 1128048.91

Easting: 913359.12 Mud Line: 348.09 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES Water Elev: 363.10 Ft

Attempts: 1
Depth Units: Ft

Surface Water Depth: 15.01 Ft

Penetration Depth: 7.00

Core Recovery Depth: 5.50

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1292-14	1.1	SM	Wet, loose, light brown, medium to fine SAND, trace silt, trace shells, sulfur-like odor.	Vibracore	
	Ħ	OL-1293-15	3.8	SM	Wet, loose, light brown, medium to fine SAND, trace silt, trace shells, trace cemented chunks, sulfur-like odor.	Vibracore	Sand
		OL-1292-16	2.4	SM	Wet, loose, light brown, medium to fine SAND, trace silt, trace shells, sulfur-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50082

Date: 06/11/2010

Weather: High 70s, Winds WNW 0-5mph, sun&clouds

Northing: 1127806.70

Easting: 913499.08 Mud Line: 358.25 Ft

Driller: Anchor QEA Logging Company: PARSONS Geologist: ALLISON MENGES Water Elev: 363.10 Ft

Attempts: 1 Depth Units: Ft

Surface Water Depth: 4.85 Ft

Penetration Depth: 7.00

Core Recovery Depth: 6.00

ecov	Sample	PID	USCS	Soil Description	Sample	Stratum
22	ID	(ppm)	Code	· ·	Method	Ottatum
	OL-1292-17	10.0	SM	Wet, loose, light brown, fine to coarse SAND, some cemented chunks, trace shells, sulfur-like odor.	Vibracore	
ı	OL-1292-18	4.8	SM	Wet, loose, light brown fine to coarse SAND, trace silt, trace shells, trace cemented chunks, sulfur-like odor.	Vibracore	Sand
	OL-1292-19	1.2	SM	Wet, loose, light brown, medium to fine SAND, trace silt, trace shells, sulfur-like odor.	Vibracore	
	Recov	OL-1292-17 OL-1292-18	OL-1292-17 10.0 OL-1292-18 4.8	OL-1292-17 10.0 SM OL-1292-18 4.8 SM	OL-1292-17  10.0  SM  Wet, loose, light brown, fine to coarse SAND, some cemented chunks, trace shells, sulfur-like odor.  Wet, loose, light brown fine to coarse SAND, trace silt, trace shells, trace cemented chunks, sulfur-like odor.  Wet, loose, light brown, medium to fine SAND, trace silt, trace shells, sulfur-like odor.	OL-1292-17  10.0  SM  Wet, loose, light brown, fine to coarse SAND, some cemented chunks, trace shells, sulfur-like odor.  Vibracore  Wet, loose, light brown fine to coarse SAND, trace silt, trace shells, trace cemented chunks, sulfur-like odor.  Vibracore  Wet, loose, light brown, medium to fine SAND, trace silt, trace shells, sulfur-like odor.

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50083

Date: 06/09/2010

Weather: Low 60s, Winds ESE 10 mph, cloudy

Northing: 1121794.07

Easting: 927298.68 Mud Line: 355.27 Ft

Surface Water Depth: 8.0 Ft

Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 7.50

Core Recovery Depth: 6.40

|--|

Water Elev: 363.27 Ft

	Depth Units	s: Ft
	Sample	

Depth	cov	Sample	PID	USCS	:	Sample	
Ft	Rec	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1277-15	0.0	GW	0-2 inches-Wet, Icose, black, fine to coarse GRAVEL and fine to coarse Sand, some organic material (GW). 2-12 inches -Wet, loose, light brown, fine to coarse GRAVEL and fine to coarse Sand, trace silt, sulfur-like odor (GW).	Vibracore	Gravel and Sand
		OL-1277-16	0.0	GW	0-7 inches -Wet, loose, light brown, fine to coarse GRAVEL and fine to coarse Sand, trace silt, sulfur odor (GW). 7-12 inches -Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur-like odor (ML).	Vibracore	
	ı	OL-1277-17	0.0	ML/SM	0-9 inches -Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur odor (ML/SM). 9-12 inches -Wet, loose, light brown, fine to coarse GRAVEL and fine to coarse Sand, trace silt, sulfur-like odor (GW).	Vibracore	Silt and Sand
3.0							Gravel and Sand

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50084

Date: 06/09/2010

Weather: Low 60s, Winds ESE 10 mph, cloudy

Water Elev: 363.27 Ft

Attempts: 2

Depth Units: Ft

Northing: 1121715.35

Easting: 927158.41 Mud Line: 339.27 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 7.50

Core Recovery Depth: 6.90

Surface Water Depth: 24.0 Ft

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1277-18	0.0	SW/ML	0-8 inches -Wet, medium dense, black, medium to fine SAND, slight petroleum-like odor (SW). 8-12 inches - wet, very soft, black, SILT, trace fine sand, petroleum-like odor (ML).	Vibracore	Sand and Silt
		OL-1277-19	0.0	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-1277-20	0.0	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
3.0			Note: Null	fields indica	te PDI reading not taken.	<b>I</b>	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50085

Date: 06/09/2010

Weather: Low 60s, Winds ESE 10 mph, cloudy

Northing: 1121906.68

Easting: 927049.78 Mud Line: 349.57 Ft

Driller: Anchor QEA

Water Elev: 363.27 Ft

Logging Company: PARSONS Geologist: ALLISON MENGES Attempts: 1 Depth Units: Ft

Surface Water Depth: 13.7 Ft

Penetration Depth: 7.50

Core Recovery Depth: 4.40

Depth S		Sample	PID	USCS		Sample	
Ft &	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1278-04	0.0	ML	Wet, soft, light brown, SILT and fine to coarse Sand, trace shells, trace organic material, sulfur-like odor.	Vibracore	
	I	OL-1278-05	0.0	ML	Wet, soft, light brown, SILT and fine to coarse Sand, trace shells, trace organic material, trace phragmites, sulfur-like odor.	Vibracore	Silt
		OL-1278-06	0.0	ML	Wet, soft, light brown, SILT and fine to coarse Sand, trace shells, trace organic material, trace phragmites, sulfur-like odor.	Vibracore	

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50086

Date: 06/09/2010

Weather: Low 60s, Winds ESE 10 mph, cloudy

Northing: 1122041.54

Easting: 926700.56 Mud Line: 332.57 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES Water Elev: 363.27 Ft

Attempts: 1 Depth Units: Ft

Surface Water Depth: 30.7 Ft

Penetration Depth: 7.50

Core Recovery Depth: 5.00

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1278-07	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
-		OL-1278-08	0.0	ML	Wet, very soft, black, SILT, slight petroleum -ike odor.	Vibracore	Silt
		OL-1278-10	0.0	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50091

Date: 06/09/2010

Weather: Low 60s, Winds ESE 10 mph, cloudy

Northing: 1121463.27

Easting: 927645.22 Mud Line: 356.27 Ft Driller: Anchor QEA

Logging Company: PARSONS Geologist: ALLISON MENGES Attempts: 1

Depth Units: Ft

Water Elev: 363.27 Ft

Surface Water Depth: 7.0 Ft

Penetration Depth: 7.50

Core Recovery Depth: 4.40

Depth Ft	Recov	Sample ID	PID (ppm)	USCS	Soil Description	Sample Method	Stratum
0		OL-1277-11	0.0	GM	Wet, medium dense, light gray to black, fine to coarse GRAVEL and fine to coarse Sand, some silt, trace cemented chunks, sulfur-like odor.	Vibracore	Gravel
1	ľ	OL-1277-12	0.0	SM	Wet, medium dense, light brown, fine to coarse SAND, some silt, some cemented chunks, sulfur-like odor.	Vibracore	
	OL-1277-14	0.0	ML/SM	0-3 inches -Wet, medium dense, light brown, fine to coarse SAND, some silt, some cemented chunks, sulfur-like odor (SM). 3-12 inches -Wet, soft, light brown, SILT and fine Sand, trace shells, trace cemented chunks, sulfur-like odor (ML).	Vibracore	Silt and Sand	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60264

Date: 06/10/2010

Weather: Low 70s cloudy w/showers, Winds W 10-25mph

Water Elev: 363.15 Ft

Attempts: 2

Depth Units: Ft

Northing: 1117920.38

Easting: 928403.50

Surface Water Depth: 2.54 Ft

Mud Line: 360.61 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 11.50

Core Recovery Depth: 9.80

ID OL-1284-16 OL-1284-17	(ppm) 0.0	Code	Soil Description  Wet, very dense, black, fine to coarse GRAVEL and fine to coarse SAND, trace silt, trace cobbles, trace glass fragments.	Method  Vibracore	Stratum
	1-5-	GW		Vibracore	
OL-1284-17					Gravel
	0.0	SW	Wet, dense, dark brown to black, fine to coarse SAND, some fine to coarse gravel, little silt, trace cobbles, trace glass fragments.	Vibracore	
OL-1284-18	0.0	SM	Wet, dense, dark brown to black, fine to coarse SAND, some silt, trace shells, petroleum-like odor.	Vibracore	
OL-1284-19	0.0	ML/SM	Wet, medium stiff, dark brown, SILT and medium to fine Sand, little shells, petroleum-like odor, sulfur-like odor.	Vibracore	
OL-1284-20	0.0	SM	Wet, dense, black to dark brown, fine to coarse SAND, little silt, trace shells, sulfur-like odor.	Vibracore	Sand
OL-1285-01	0.0	SM	Wet, medium dense, medium brown, fine to coarse SAND, little silt, trace shells, sulfur-like odor.	Vibracore	
OL-1285-03 0.	0.0	SM	Wet, dense, dark brown, fine SAND, some silt, trace shells, sulfur-like odor.	Vibracore	
OL-1285-04	0.0	ML	Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur-like odor.	Vibracore	
OL-1285-05	0.0	ML	Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur-like odor.	Vibracore	Marl
OL-1285-06	0.0	ML	Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur-like odor.	Vibracore	
_	OL-1285-04 OL-1285-05	OL-1285-04 0.0  OL-1285-05 0.0  OL-1285-06 0.0	OL-1285-04 0.0 ML OL-1285-05 0.0 ML OL-1285-06 0.0 ML	OL-1285-03  OL-1285-04  OL-1285-04  OL-1285-05  OL-128	OL-1285-03 0.0 SM Sulfur-like odor.  OL-1285-04 0.0 ML Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur-like odor.  OL-1285-05 0.0 ML Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur-like odor.  Vibracore  Wet, soft, light brown, SILT and fine Sand, trace shells, sulfur-like odor.  Vibracore  Vibracore

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60265

Date: 06/10/2010

Weather: Low 70s, cloudy w/showers, Winds W 10-25mph

Water Elev: 363.15 Ft

Attempts: 1 Depth Units: Ft

Northing: 1119129.93

Easting: 928802.67

Mud Line: 361.7 Ft Surface Water Depth: 1.45 Ft **Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 11.50

Core Recovery Depth: 9.70

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1284-05/OL-1283-05	0.0	sw	Wet, dense, dark brown, fine to coarse SAND, trace fine to medium gravel, trace shells.	Vibracore	
*		OL-1284-07/OL-1283-07	0.0	ML	0-2 inches -wet, dense, dark brown, medium to fine SAND, petroleum-like odor (SW). 2-8 inches -wet, stiff, black, SILT, little fine sand, petroleum-like odor (ML). 8-12 inches -wet, medium stiff, light brown, SILT, some fine sand, petroleum-like odor (ML).	Vibracore	
		OL-1284-08/OL-1283-08	0.0	SM	0-5 inches -Wet, soft, dark brown, SILT and fine Sand, trace shells, slight petroleum-like odor (ML). 5-12 inches -wet, dense, medium brown, medium to fine SAND, trace silt, trace shells (SM).	Vibracore	
-	OL-1284-09/OL-1283-	OL-1284-09/OL-1283-09	0.0	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace silt, trace organic material, trace shells.	Vibracore	
İ		OL-1284-10/OL-1283-10	0.0	SM	Wet, medium dense, dark brown, fine to coarse SAND, trace silt, trace organic material, trace shells.	Vibracore	Sand and Silt
5 —		OL-1284-11/OL-1283-11	0.0	SM	0-2 inches -Wet, medium stiff, red-brown, SILT and Sand, trace shells, trace organic materials (ML). 2-12 inches -wet, dense, dark brown, medium to fine SAND, trace silt, trace shells, trace wood fragments (SM).	Vibracore	
		OL-1284-12/OL-1283-12	0.0	ML	0-2 inches -Wet, dense, dark brown, medium to fine SAND, trace silt, trace shells (SM). 2-12 inches -wet, stiff, red brown SILT, some fine sand, trace shells (ML).	Vibracore	
	OL-1284-13/OL-1283-13	0.0	SM	Wet, dense, dark brown, medium to fine SAND, trace silt, trace wood fragments, trace shells.	Vibracore		
		ML	Wet, stiff, dark brown, SILT, some fine sand, trace shells, trace organic material.	Vibracore			
9.7		OL-1284-14/OL-1283-15	0.0	ML	Wet, soft, dark brown, SILT and fine Sand, trace shells.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60266

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Water Elev: 363.10 Ft

Attempts: 3

Depth Units: Ft

Northing: 1119234.89

Easting: 928810.50

Mud Line: 361.56 Ft Surface Water Depth: 1.54 Ft **Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 11.00

Core Recovery Depth: 7.80

Depth	ecov	Sample	PID	USCS		Sample	
Ft	Rec	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1299-01	0.1	sw	Wet, medium dense, dark brown, fine to coarse SAND, trace silt, trace fine to coarse gravel, trace organic material.	Vibracore	
#		OL-1299-02	4.3	ML	Wet, medium stiff, dark brown, SILT, some fine sand, trace shells.	Vibracore	
Ī		OL-1299-03	1.7	ML	0-7 inches -Wet, medium stiff, dark brown, SILT, some fine sand, trace shells (ML). 7-12 inches -Wet, medium dense, dark brown, medium to fine SAND, trace silt, trace shells, (SM).	Vibracore	
Ī		OL-1299-04	1.8	SM	Wet, medium dense, dark brown, medium to fine SAND, trace silt, trace shells, trace organic material.	Vibracore	Silt and Sand
Ī		OL-1299-05	1.2	SM	Wet, medium dense, dark brown, medium to fine SAND, trace silt, trace shells, trace organic material.	Vibracore	om and ound
5 —		OL-1299-06	0.8	SM	Wet, medium dense, dark brown, medium to fine SAND, some silt, trace shells, trace organic material.	Vibracore	
		OL-1299-07/08	0.0	ML	Wet, medium stiff, medium brown, SILT, little medium to fine sand, trace shells, trace organic material.	Vibracore	
		OL-1299-09	0.6	ML	Wet, medium stiff, medium brown, SILT, little medium to fine sand, trace shells, trace organic material.	Vibracore	
7.8 —			Note: Null	fields indicta	Lae PID reading not taken.		

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**Driller: Atlantic Testing** 



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60267

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Northing: 1119406.27 Easting: 928764.86

Logging Company: PARSONS

Water Elev: 363.10 Ft

Mud Line: 361.10 Ft

Geologist: ALLISON MENGES

Attempts: 1 Depth Units: Ft

Surface Water Depth: 2.0 Ft

Penetration Depth: 15.00

Core Recovery Depth: 13.00

Depth	Recov	Sample	PID	USCS		Sample	
Ft	Re	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1288-14	4.2	sw	0-10 inches -Wet, dense, dark brown, fine to coarse SAND, little fine gravel, trace silt, trace shells, slight petroleum-like odor (SW). 10-12 inches -wet, soft, black, SILT, trace fine sand, petroleum-like odor (ML).	Vibracore	
		OL-1288-15	4.1	SM	Wet, dense, black, medium to fine SAND, trace silt, petroleum-like odor.	Vibracore	
		OL-1288-16	0.5	ML	Wet, soft, dark brown, SILT, some fine sand, trace shells.	Vibracore	Sand and Sil
		OL-1288-17	0.5	SM	Wet, dense, dark brown, medium to fine SAND, little silt.	Vibracore	
-	П	OL-1288-18	0.4	ML	Wet, soft, dark brown, SILT, little fine sand, trace shells.	Vibracore	
5 —		OL-1288-19	0.4	ML	Wet, soft, dark brown, SILT, little fine sand, trace shells.	Vibracore	
	OL-1288-20	0.5	ML	Wet, stiff, light brown, SILT, trace fine sand.	Vibracore		
+		OL-1289-01	0.8	ML	Wet, stiff, light brown to dark brown, SILT, little fine sand, slight petroleum-like odor.	Vibracore	
†		OL-1289-02	1.2	ML	Wet, stiff, black, SILT, little fine sand, trace shells, trace organic material, petroleum-like odor.	Vibracore	Silt
Ī		OL-1289-03	0.7	ML	Wet, very stiff, black, SILT, petroleum-like odor.	Vibracore	
10 +		OL-1289-04	1.2	ML	0-9 inches -Wet, stiff, black, SILT (ML). 9-12 inches -wet, stiff, light brown, SILT, some fine sand, trace shells (ML).	Vibracore	
		OL-1289-05	0.6	ML	Wet, stiff, light brown, SILT, trace fine sand, trace shells.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60268

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Northing: 1119493.80

Easting: 928746.36

Mud Line: 361.3 Ft

**Driller: Atlantic Testing** Logging Company: PARSONS

Geologist: A. MENGES

Penetration Depth: 15.00

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Core Recovery Depth: 13.00 Surface Water Depth: 2 Ft

	Sample	
escription	Method	Stratum
ches -Wet, medium dense, , some silt, slight petroleum-like	Vibracore	
to black, medium to fine SAND	Vibracore	Cond
um to fine SAND and Silt, petroleum-	Vibracore	Sand
black, medium to fine SAND, vl). 6-12 inches -wet, soft, black, ve odor (ML).	Vibracore	
me fine sand, petroleum-like	Vibracore	
d fine Sand, petroleum-like	Vibracore	
medium to fine SAND, some silt, al.	Vibracore	
black, SILT and fine Sand, al.	Vibracore	
black, SILT, some fine sand, als.	Vibracore	Silt
black, SILT, some fine sand, als.	Vibracore	
LT, little fine sand, some	Vibracore	
LT and fine to coarse SAND, shells, trace organic material.	Vibracore	
sh	ells, trace organic material.	ells, trace organic material. Vibracore

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60269

Date: 06/10/2010

Weather: Low 70s cloudy w/showers, Winds WNW 15mph

Water Elev: 363.15 Ft

Attempts: 3
Depth Units: Ft

Northing: 1119648.44

Easting: 928796.74

Mud Line: 361.15 Ft Surface Water Depth: 2.0 Ft **Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 15.00

Core Recovery Depth: 6.30

USCS		Sample	
Code	Soil Description	Method	Stratum
ML	Wet, soft, light brown, SILT and fine to coarse Gravel, some fine to coarse sand, trace shells.	Vibracore	Silt
SM	0-6 inches -Wet, stiff, medium brown, SILT, little fine sand (ML). 6-12 inches -wet, dense, dark brown, medium to fine SAND, trace silt (SM).	Vibracore	
	Wet, dense, dark brown, medium to fine SAND, trace silt, trace		
SM	shells, trace wood fragments.	Vibracore	Sand
ML	Wet, medium stiff, medium brown, SILT, some fine to coarse sand, trace shells, sulfur-like odor.	Vibracore	
ML	Wet, medium stiff, medium brown, SILT, little fine sand, trace shells, sulfur-like odor.	Vibracore	Silt
ML	Wet, medium stiff, medium brown, SILT, little fine sand, trace shells, sulfur-like odor.	Vibracore	
II			ML Vibracore

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60270

Date: 06/10/2010

Weather: Low 70s cloudy w/showers, Winds WNW 15mph

Northing: 1119766.39

Easting: 928826.83

Mud Line: 362.05 Ft

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES Water Elev: 363.15 Ft

Attempts: 1

Depth Units: Ft

Surface Water Depth: 1.1Ft	Penetration Depth: 15.00	Core Recovery Depth: 12.10
Ba 하다 이 교통과 하다면 하다면 그렇게 하고 있습니다.		• •

ample F	PID L	JSCS		Sample	
ID (p	opm) (	Code	Soil Description	Method	Stratum
-1281-01	0.0	sw	Wet, medium dense, medium brown, fine to coarse SAND and fine to coarse Gravel, trace silt, petroleum-like odor.	Vibracore	Sand
-1281-02	0.0	ML	Wet, medium stiff, medium brown, SILT and fine to coarse Sand, trace shells, trace organic material, slight sulfur-like odor.	Vibracore	
W. M	0.0	ML	Wet, stiff, medium brown, SILT, some fine sand, trace organic material, trace shells.	Vibracore	
	0.0	ML	0-6 inches -Wet, stiff, medium brown, SILT, some fine sand, trace organic material, trace shells (ML). 6-12 inches -wet, medium dense, medium brown, fine to coarse SAND and Silt, little shells (SM).	Vibracore	Silt
-1281-05	0.0	ML	Wet, medium stiff, light brown, SILT and fine Sand, trace shells, trace wood fragments, sulfur-like odor.	Vibracore	
-1281-06	0.0	ML	Wet, stiff, medium brown, SILT, little fine sand, trace shells, sulfur-like odor.	Vibracore	
-1281-07	0.0	ML	Wet, soft, light brown, SILT, some fine sand, little shells, sulfur-like odor.	Vibracore	
1281-08	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
1281-09	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
1281-10	0.0	ML	Wet, medium stiff, light-brown, SILT, little fine sand, trace shells, sulfur-like odor.	Vibracore	Marl
1281-11	0.0	ML	Wet, medium stiff, light brown, SILT, little fine sand, trace shells, sulfur-like odor.	Vibracore	
1281-12	0.0	ML	Wet, medium stiff, light brown, SILT, little fine sand, trace shells, sulfur-like odor.	Vibracore	
	2	2 0.0	2 0.0 ML	1 0.0 ML shells, sulfur-like odor.  Wet, medium stiff, light brown, SILT, little fine sand, trace shells sulfur-like odor.	1 0.0 ML shells, sulfur-like odor. Vibracore  2 0.0 ML Wet, medium stiff, light brown, SILT, little fine sand, trace shells, sulfur-like odor. Vibracore

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Site: Onondaga Lake (Syracuse NY)

Core Recovery Depth: 14.00

Boring No: OL-VC-60271

Date: 06/10/2010

Weather: Low 70s cloudy w/showers, Winds WNW 15mph

Northing: 1119951.09

Easting: 928894.39

Mud Line: 362.05 Ft

Driller: Atlantic Testing

Logging Company: PARSONS Geologist: ALLISON MENGES

Surface Water Depth: 1.1 Ft Penetration Depth: 15.00

Water Elev: 363.15 Ft

Attempts: 1

Depth Units: Ft

Depth   중	Sample	PID	USCS		Sample	
Depth S	ID	(ppm)	Code	Soil Description	Method	Stratum
0	OL-1282-14	0.0	GW	0-6 inches -Wet, dense, dark brown, fine to coarse GRAVEL, some fine to coarse sand, trace silt, slight petroleum-like odor (GW), 6-12 inches -wet, soft, dark-brown, SILT and fine Sand, trace fine gravel, slight petroleum-like odor(ML).	Vibracore -	Gravel
	OL-1282-16	0.0	SM	0-5 inches -Wet, soft black, SILT, trace fine sand, slight petroleum-like odor (ML). 5-12 inches -wet, dense, dark-brown, medium to fine SAND, trace silt, slight petroleum-like odor (SM).	Vibracore -	Silt
	OL-1282-17	0.0	ML	0-5 inches -Wet, dense, dark brown, medium to fine SAND, trace silt, trace shells, petroleum-like odor (SM). 5-12 inches -wet, soft light brown, SILT, some fine sand, trace shells, slight petroleum-like odor (ML).	Vibracore	Sand
	OL-1282-18	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
	OL-1282-19	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
5	OL-1282-20	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
	OL-1283-01	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	Marl
+	OL-1283-02	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
-	OL-1283-03	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	
	OL-1283-04	0.0	ML	Wet, soft, light brown, SILT, some fine sand, trace shells, sulfur-like odor.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60272

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Northing: 1119352.34

Easting: 928674.69

Mud Line: 360.35 Ft Surface Water Depth: 2.75 Ft **Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Water Elev: 363.10 Ft

Attempts: 3

Depth Units: Ft

1. 11.50	
	1: 11.50

Depth	8	Sample	PID	USCS		Sample	
Ft	Recov	ID	(ppm)	Code	Soil Description	Method	Stratum
0		OL-1291-06	0.7	SM	Wet, medium dense, black, fine to coarse SAND, trace silt, slight petroleum-like odor.	Vibracore	
Ť		OL-1291-07	1.1	SM	Wet, medium dense, black, fine to coarse SAND, trace silt, trace shells, slight petroleum-like odor.	Vibracore	Sand
		OL-1291-08	0.6	ML	Wet, medium stiff, medium brown, SILT, little fine sand, trace shells.	Vibracore	
		OL-1291-09	0.6	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells.	Vibracore	
Ť		OL-1291-10	0.6	ML	Wet, stiff, medium brown, SILT, trace shells.	Vibracore	
5 —		OL-1291-11	0.5	ML	Wet, stiff, medium brown SILT, trace shells.	Vibracore	
1		OL-1291-12	0.5	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells, trace organic material.	Vibracore	Silt
Ť		OL-1291-13	0.5	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells.	Vibracore	
Ť		OL-1291-14	0.6	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells.	Vibracore	
†		OL-1291-15	0.6	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells.	Vibracore	
10 +		OL-1291-16	0.5	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60273

Date: 06/11/2010

Weather: High 70s, Winds WSW 0-5mph, sun&clouds

Northing: 1119779.46

Easting: 928704.44

Mud Line: 360.35 Ft Surface Water Depth: 2.75 Ft

OL-1292-07

OL-1292-08

OL-1292-09

10 -

0.4

0.5

0.7

**Driller: Atlantic Testing** 

Logging Company: PARSONS Geologist: ALLISON MENGES

Penetration Depth: 15.00

Core Recovery Depth: 11.50

Water Elev: 363.10 Ft

Attempts: 1 Depth Units: Ft

Vibracore

Vibracore

Vibracore

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1291-18	2.4	SM	Wet, dense, black, medium to fine SAND, trace silt, trace shells, slight petroleum-like odor.	Vibracore	
Ì		OL-1291-19	1.2	SM	Wet, medium dense, dark brown, medium to fine SAND, trace silt, trace shells, slight petroleum-like odor.	Vibracore	Sand
-		OL-1291-20	0.6	ML	0-2 inches -Wet, dense, dark brown, medium to fine SAND, trace silt (SM). 2-12 inches -wet, stiff, light brown, SILT, little fine sand, trace shells, slight sulfur-like odor (ML).	Vibracore	
Ť		OL-1292-01/02	0.5	ML	Wet, stiff, medium brown, SILT, little fine sand, trace shells.	Vibracore	
Ť		OL-1292-03	0.6	ML	Wet, medium stiff, medium brown, SILT, some fine sand, trace shells, slight sulfur-like odor.	Vibracore	
5 —		OL-1292-04	0.6	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells, slight sulfur-like odor.	Vibracore	
-		OL-1292-05	0.7	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells, slight sulfur-like odor.	Vibracore	Silt
Ť		OL-1292-06	0.6	ML	Wet, stiff, medium brown, SILT, trace fine sand, trace shells, slight sulfur-like odor.	Vibracore	

Wet, stiff, medium brown, SILT, trace fine sand, trace shells,

Wet, stiff, medium brown, SILT, trace find sand, trace shells.

Wet, stiff, medium brown, SILT, trace find sand, trace shells.

Note: Null fields indicate PID reading not taken

ML

ML

 $\mathsf{ML}$